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Introduction

Congratulations on your purchase and welcome to Philips! To fully benefit from the support that Philips offers, register your product at **www.philips.com/welcome**. Please read this user manual, as it contains information about the wonderful features of this shaver as well as some tips to make shaving easier and more enjoyable.

General description (Fig. 1)

1 Shaving unit
2 Charging light with battery low indication
3 Shaver on/off button
4 Small plug
5 Adapter
6 Guard
7 Cutter
8 Retaining frame

Important

Read this user manual carefully before you use the appliance and save it for future reference.

Danger

- Make sure the adapter does not get wet (Fig. 2).

Warning

- The adapter contains a transformer. Do not cut off the adapter to replace it with another plug as this causes a hazardous situation.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Always unplug the shaver before you clean it under the tap.

Caution

- Never use water hotter than 80°C to rinse the shaver.
- Be careful with hot water. Always check if the water is not too hot, to prevent your hands from getting burnt.
- The shaver is not dishwasher-proof.
- Water may leak from the body parts after shaving in wet environment. This is normal and not dangerous because all electronics are enclosed in a sealed power unit inside the shaver.
- Do not use the shaver or adapter if it is damaged, as this may cause injury. Always replace a damaged adapter or part with one of the original type.
- Use, charge and store the appliance at a temperature between 10°C and 35°C.
- Always place and use the shaver on a surface that is fluid-resistant.
- Only use the adapter supplied.
- If the shaver is subjected to a major change in temperature, pressure or humidity, let it acclimatise for 30 minutes before you use it.

Compliance with standards

- This shaver complies with the internationally approved safety regulations and can be safely used in the bath or shower and cleaned under the tap (Fig. 3).
- This Philips appliance complies with all standards regarding electromagnetic fields (EMF). If handled properly and according to the instructions in this user manual, the appliance is safe to use based on scientific evidence available today.

General

- The appliance is equipped with an automatic voltage selector and is suitable for mains voltages ranging from 100 to 240 volts.
- The adapter transforms 100-240 volts to a safe low voltage of less than 24 volts.
- This shaver is suitable for both wet and dry use. Use the shaver with shaving gel or foam for extra skin comfort, or use the shaver dry for extra convenience.
- Your skin may need 2 or 3 weeks to get accustomed to the Philips shaving system.
- Do not clean more than one cutter and guard at a time, since they are matching sets. If you accidentally mix up the cutters and guards, it may take several weeks before optimal shaving performance is restored.
- When the battery is empty, the charging light will light up orange continuously. When the shaver is charging the charging light will light up green continuously.

Environment

- Do not throw away the appliance with the normal household waste at the end of their life, but hand them in at an official collection point for recycling. By doing this, you help to preserve the environment (Fig. 4).
- The built-in rechargeable battery contains substances that may pollute the environment. Always remove the battery before you discard or hand in the shaver at an official collection point. Dispose of the battery at an official collection point for batteries. If you have trouble removing the battery, you can also take the appliance to a Philips service centre. The staff of this centre will remove the battery for you and will dispose of it in an environmentally safe way (Fig. 5).

Removing the rechargeable battery

Only remove the rechargeable battery if it is completely empty.

1 Remove the adapter from the wall socket and pull the small plug out of the shaver.

2 Let the shaver run until it stops and undo the screw at the bottom of the shaver (Fig. 6).

3 Remove the battery compartment (1) and remove the battery (2) (Fig. 7).

Do not connect the shaver to the mains again after you have removed the battery.

Guarantee and support

If you need information or support, please visit **www.philips.com/support** or read the separate worldwide guarantee leaflet.

Guarantee restrictions

The shaving heads (cutters and guards) are not covered by the terms of the international guarantee because they are subject to wear.

Troubleshooting

This chapter summarises the most common problems you could encounter with the appliance. If you are unable to solve the problem with the information below, visit **www.philips.com/support** for a list of frequently asked questions or contact the Consumer Care Centre in your country.

Problem	Possible cause	Solution
The shaver does not shave as well as it used to.	The shaving heads are damaged or worn.	Replace the shaving heads.
	Foam or gel residues clog up the shaving heads.	Rinse the shaving unit under a hot tap.
	Long hairs obstruct the shaving heads.	Clean the shaving heads one by one.
	You have not inserted the shaving heads properly.	Make sure that the projections of the shaving heads fit exactly into the recesses.
The shaver does not work when I press the on/off button.	The rechargeable battery is empty.	Recharge the battery.
	The temperature of the shaver is too high. In this case, the shaver does not work.	As soon as the temperature of the shaver has dropped sufficiently, you can switch on the shaver again.
The shaver does not work, although it is connected to the mains.	This shaver is not designed to be used directly from the mains.	Recharge the battery and disconnect the shaver from the mains.

ESPAÑOL

Introducción

Enhorabuena por la compra de este producto y bienvenido a Philips. Para sacar el mayor partido de la asistencia que Philips

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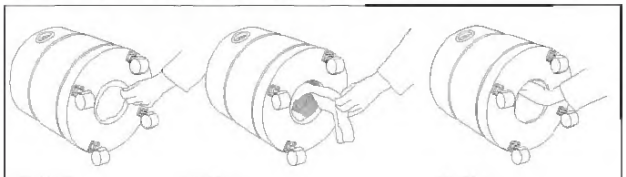
GETTING STARTED

- Keep packaging in case of warranty returns
- Wipe the unit with a soft damp cloth to remove any dust which may have accumulated during shipping
- Check the inlet opening for extra prefilters if ordered. (Bottom of unit)
- Place the unit on its casters and plug it into a 120-volt outlet with ground
- Run the unit on TURBO for a few minutes to re-adjust the airflow patterns in the room
- Depending on your interior conditions, you may choose to run the unit on HIGH during the day and on LOW at night*
- Running the unit on LOW is energy-efficient and increases the amount of air dwell time in the cleansing chambers

* Depending on interior dust conditions. For VOC's, chemicals, smoke or odors we suggest operating continuously on the low setting to allow for the longest dwell time and adsorbtion.

REPLACING OR CLEANING THE PRE-FILTER

We recommend changing or cleaning pre-filters every one to two months.



STEP A
Turn the unit off, unplug it, and gently lay it on its side.

STEP B
Slowly remove the dirty pre-filter to avoid dispersing its contents.
To clean: Carefully vacuum both sides of the filter.
To discard: Gently insert into a plastic bag and discard.

STEP C
To Install:
Gently press the pre-filter flat against the inner walls of the innermost filter. Return the unit to an upright position.

[Warning]

Refrain from poking or sticking any object into the unit's air vent discharge.

Pre-filter Order Reference Numbers*

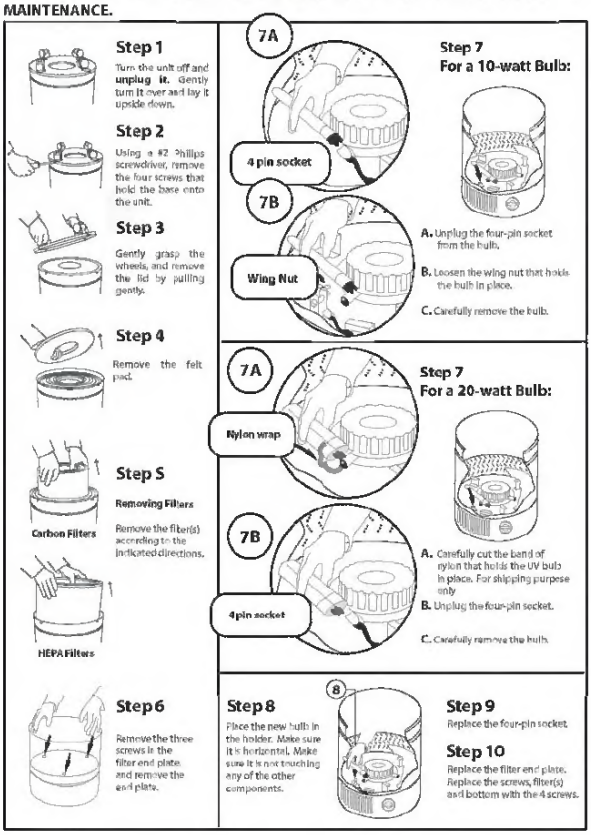
To order a new pre-filter, call AllerAir toll-free at 1-888-852-8247 during regular business hours (EST), or send an e-mail to Info@allerair.com

Models	Prefilters	4000	5000	6000	Notes
Exec. Vocarb	Poly Prefilters	A4FMP006	A5FMP009	A6FMP012	packs of 4 or 8
DS Models	Tacky Prefilters	A4FMPS06	A5FMPS09	A6FMPS12	packs of 10
MCS Models	Cotton Prefilters	A4FCP016	A5FCP019	A6FCP022	packs of 6

*Please use the above part numbers when ordering your replacement parts

REPLACING UV BULB AND BALLAST

NOTE: ALWAYS UNPLUG UNIT FROM POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE.


Step 1
Turn the unit off and unplug it. Gently turn it over and lay it upside down.
Step 2
Using a #2 Philips screwdriver, remove the four screws that hold the base onto the unit.
Step 3
Gently grasp the wheels, and remove the lid by pulling gently.
Step 4
Remove the felt pad.
Step 5
Removing Filters
Carbon Filters
HEPA Filters
Remove the filter(s) according to the indicated directions.
Step 6
Remove the three screws in the filter end plate, and remove the end plate.
7A
4 pin socket
7B
Wing Nut
Step 7
For a 10-watt Bulb:
A. Unplug the four-pin socket from the bulb.
B. Loosen the wing nut that holds the bulb in place.
C. Carefully remove the bulb.
7A
Nylon wrap
7B
4pin socket
Step 7
For a 20-watt Bulb:
A. Carefully cut the band of nylon that holds the UV bulb in place. For shipping purpose only
B. Unplug the four-pin socket.
C. Carefully remove the bulb.
8
Step 8
Place the new bulb in the holder. Make sure it is horizontal. Make sure it is not touching any of the other components.
Step 9
Replace the four-pin socket.
Step 10
Replace the filter end plate. Replace the screws, filter(s) and bottom with the 4 screws.

AllerAir Industries Inc. Toll free: 1-888-852-8247 / Fax: 1-877-688-2193 www.allerair.com

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Contrast

The level of contrast can be adjusted on the Integrated Display by using the **UP** and **DOWN** arrows. Press the **UP** arrow to increase the contrast, and press the **DOWN** arrow to decrease the contrast.

Navigating the Menus

The Compaq Integrated Management Display is menu-driven and easy to use. Information to navigate and utilize the menus follows.

Normal Run-time Behavior

When powering up the server, the first IMD screen shows the model number and LCD firmware revision of the server's display.

Next, a series of server Power-On Self-Test (POST) operations is displayed. During POST, the display indicates the server test in progress by a spinning bar beside the menu item. When the test is finished, the IMD shows a check mark by the completed menu item. A check mark means that the test is complete, but does not necessarily mean the test was free from errors.

If an error occurs during POST, the server logs the error to the IMD under Unviewed Events and requires the user to view the error before proceeding to any other menu choices.

If there are no errors, the Idle Screen Text appears. Figure 6-3 shows the default screen but this screen could be different if the text changed during configuration.

Navigation Buttons

To navigate through the menus, use the four buttons shown in Figure 6-4. The UP and DOWN arrow keys (❷and ❸) allow the user to move through the menu screens and choose menu items. The right button (❹) acts as an Enter key and allows the server to travel down through the menus. The left button (❶) acts as an Escape key and allows travel back up the menu.

Writer: Salvo Project: Compaq ProLiant 5500 Servers Setup and Installation Guide Comments: 328470-001\July 1998
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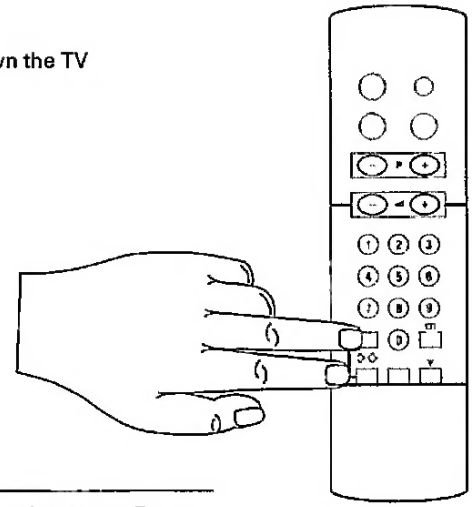
2 Storing TV channels

59 TV channels can be stored on program numbers. Write down the TV chennels and the assigned program numbers while storing.

Follow carefully steps **a, b, c, d, e.**



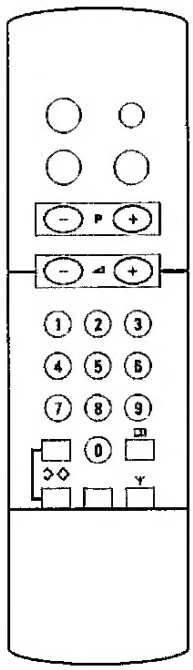
a.
- Press simultaneously the two ◇◇ buttons.
- ▹ The current program number and the TV-system are displayed on the screen.

b.

You can select a different TV-system for each separate program number.
You can select among the following TV-systems:

Region	TV-system	Used in
EUROPE	PAL BG - SECAM BG	West European countries except France, except United Kingdom and Ireland.
FRANCE	SECAM L L'	France.
UK	PAL I	United Kingdom and Ireland.

- Press Y one or more times to select the required TV-system.



c.
- Press ◫ to start the search.
- ▹ The TV automatically searches until a TV channel is found.
- If you went to continue searching for a specific TV channel then press ◫ again.

d.
- Press P — or + or one or two digit buttons to select the program number (1 to 59) where you want to store the TV channel.
- ▹ The selected program number is displayed on the screen.

The sound-volume of some TV channels can be somewhat higher or lower than normal. If neccessary, you can adjust the sound-volume for this specific TV channel to normal sound-volume, by pressing ◿ — or +.

e.
- Press simultaneously the two ◇◇ buttons to store this selection.

REPEAT Repeat steps **a, b, c, d, e,** until all the TV channels you require have been stored on program numbers.

Storing TV channels can be stopped by pressing simultaneously the two ◇◇ buttons.

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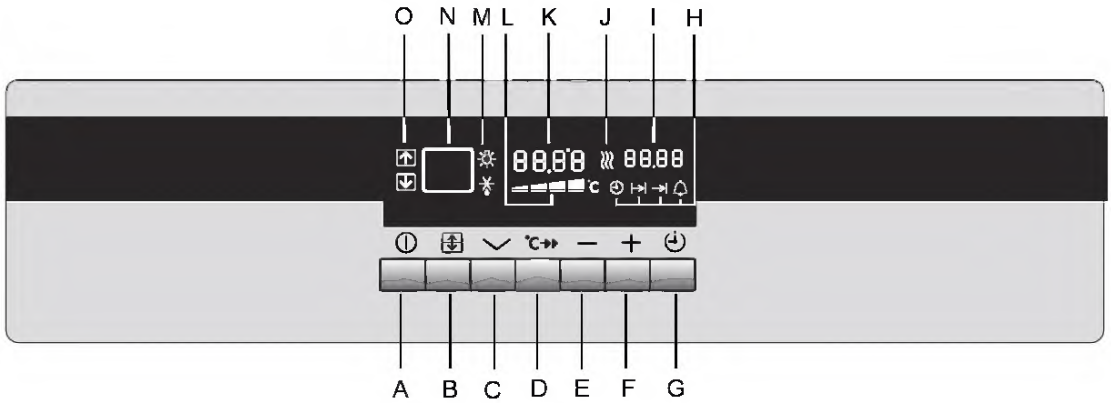
GETTING TO KNOW YOUR APPLIANCE

THE CONTROL PANEL



A - On/Off Switch

B - Second Oven and Main Oven Cavity Selector

C - Function Selector

D - Speedcook

E - Time/Temperature Decrease Selector

F - Time/Temperature Increase Selector

G - Timer Selector Control

H - Timer Indicators

I - Operating Time

J - Keep Warm Indicator

K - Temperature/Time

L - Heat Indicator

M - Light/Defrost Indicators

N - Oven Function

O - Cavity Indicator

Oven Light

Main Oven Full Width Dual Grill

Main Oven Single Economy Grill

Ventitherm ® Precision Fan Cooking

Hot Air Fan Baking

Conventional Cooking

Rotitherm Roasting

Pizza

Fan Controlled Defrosting

Keep Warm

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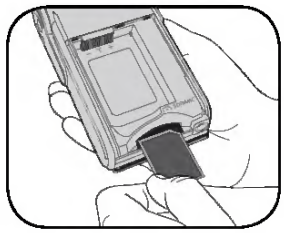
Inserting a memory card (optional)

To insert a memory card, do the followings:
(1) Open the battery cover.
(2) Gently push the card as indicated until the card reaches the bottom of the slot.

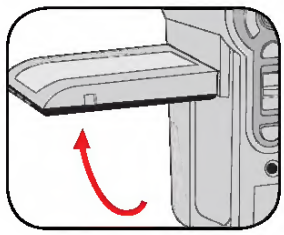
To remove the memory card, gently push the card and it will pop up. Then pull the card out of the slot.

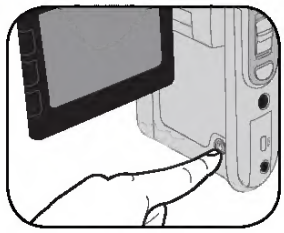


Turning on/off your camcorder

Open the LCD monitor or press and hold down the Power button for 1 second to turn on the camcorder.

To turn off the camcorder, press and hold down the Power button for 1 ~ 3 seconds or close the LCD monitor.





- If the camcorder is not turned on after pressing the Power button, please check:
  1. The battery pack is well installed in the camcorder.
  2. The battery pack has enough power left.
- If the camcorder stays inactive for a long period of time, it may automatically shut down due to the Auto-Off setting.

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SGA. When a shadow thread must write to the database, it writes into the SGA only. At a later time the DBWR writes this "dirty" data out to disk.

Parallel execution begins with a shadow thread executing a SQL statement that contains operations, some of which may be performed in parallel. This becomes the shadow parallel coordinator. It dispatches the execution of a statement to several parallel server threads and coordinates the results from the parallel server threads to send the results back to the user. The number of parallel server threads assigned to a single operation is called the "degree of parallelism".

The redo log contains a history of all committed transactions for the database to perform an instance recovery. A minimum of two redo logs is required and more may be used. When a redo log fills, a log switch occurs. At log switch time all new redo information goes to the next redo log file in line. If the system is running in ARCHIVELOG mode, which is recommended, the previous log file is copied out to an archive log file.

With a recent backup, the redo log files, and the redo log archive files, the database can be recovered if needed. The control and configuration files are used to store information of the state and layout of the database as well as system tunables. A more in-depth discussion of the Oracle8 Server architecture can be found in the *Oracle8 Server Concepts Manual.*

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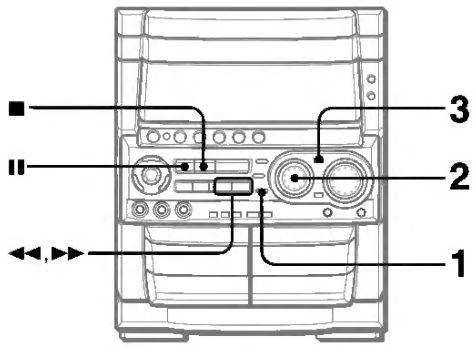
SETTING THE CLOCK



1 Press CLOCK.
The clock is displayed. (The ":" between the hours and minutes flashes.)

2 Within 4 seconds, turn MULTI JOG to designate the hour and the minute.
Turning **MULTI JOG** changes both the hour and the minute. ◀◀ or ▶▶ is also available in place of **MULTI JOG**. Holding these buttons down will vary the time rapidly.

3 Press ENTER or II.
The clock starts from 00 seconds.

To restore an original clock setting
Press **CLOCK** before completing step 3 to restore the previous time setting. This cancels any new setting.

To view the clock when another display is in the display
Press **CLOCK**. The time is displayed for 4 seconds and then the original display reappears. However, the clock cannot be displayed during recording.

To switch to the 24-hour standard
Press **CLOCK** and then press ■ within 4 seconds.
Repeat the same procedure to restore the 12-hour standard.

In the 12-hour standard, "AM 12:00" indicates midnight and "PM 12:00" indicates noon.

If the clock display flashes
If the display flashes when the clock is displayed, it indicates that the clock has stopped due to a power failure or the removal of the power cord. The current time needs to be reset.

NOTE
If the power-economizing mode (page 7) is on, the unit blacks out when the power is turned off. To view the clock, press **CLOCK** so that the time is displayed for 4 seconds.

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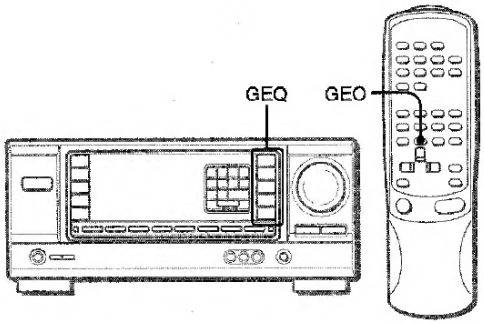
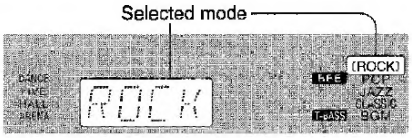
ELECTRONIC GRAPHIC EQUALIZER



This unit provides the following five different equalization modes.

ROCK: Powerful sound emphasizing treble and bass
POP: More presence in the vocals and midrange
JAZZ: Accented lower frequencies for jazz-type music
CLASSIC: Enriched sound with heavy bass and fine treble
BGM: Calm tone with suppressed bass and treble

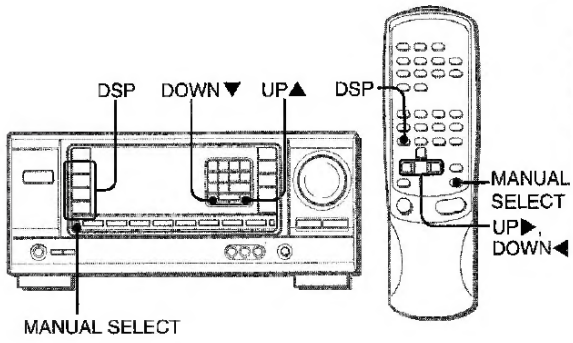
Press one of the GEQ (Graphic Equalizer) buttons.
The selected mode name appears on the display for two seconds, and the selected mode on the right side of the display is enclosed with parentheses.



To cancel the selected mode
Press the selected button again. "GEO oFF" appears on the display.

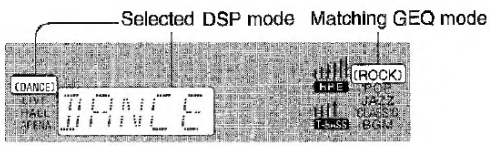
To select with the remote control
Press the GEQ button repeatedly until the desired equalization mode is displayed.

DSP SURROUND



The DSP (Digital Signal Processor) surround circuits can recreate the effect of sounds reflected from walls or ceilings, to obtain the sound presence of real environments. There are four modes with matching graphic equalization modes. Equalization modes are selected automatically and can also be selected or turned off to suit your preference.

Press one of the DSP buttons (DANCE, LIVE, HALL or ARENA).
The selected mode name appears on the display for two seconds, and the selected DSP and matching GEQ modes on the display are enclosed with parentheses.



When the music source is monaural
Select LIVE to obtain a simulated stereo effect. When DANCE or HALL is selected, no sound will be heard from the surround speakers.

To cancel the selected mode
Press the selected button again. "DSP oFF" appears on the display. Even if canceling the selected DSP mode, the matching or selected GEQ mode still remains. While the DSP surround system is off, no sound is heard from the surround speakers.

To select with the remote control
Press the DSP button repeatedly until the desired DSP mode is displayed.

To adjust the volume of the surround speakers
Press the MANUAL SELECT button once. "SUR" is displayed for four seconds. Press the UP▲ or DOWN▼ button while "SUR" is displayed.
Note that the Dolby Pro Logic surround speakers level is also changed (see page 13).

NOTE
The DSP system is automatically canceled when the DOLBY PRO LOGIC is turned on.

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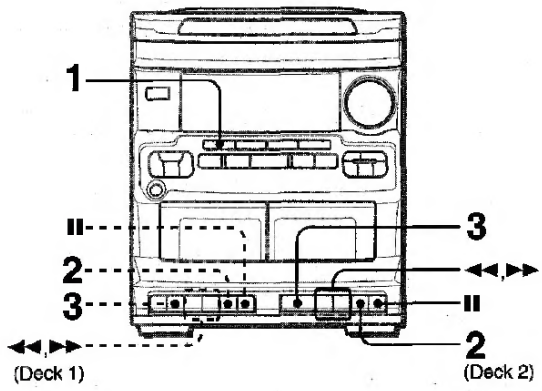
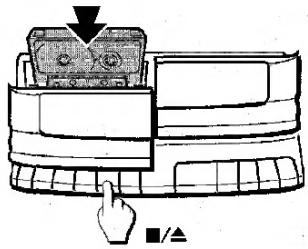
BASIC OPERATIONS



Usable tapes
Use only normel (type I) tapes.

***1* Press the TAPE button.**

***2* Press the ■/⏏ button to open the cassette holder and insert a tape exposed side down. Push the cassette holder to close it.**



***3* Press the ▶ button to start playback.**
Only the side facing you can be played back.

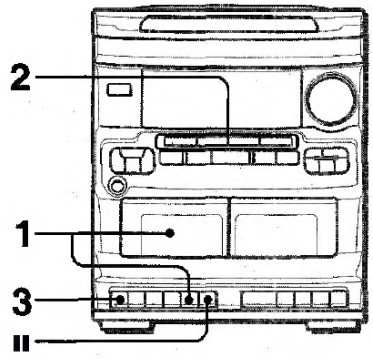
To stop playback
Press the ■/⏏ button.

To pause
Press the II button.
To resume play, press it again.

To fast forward or rewind
In the stop mode, press the ◀◀ or ▶▶ button, and then press the ■/⏏ button to stop winding.

When both deck 1 and deck 2 are set in the playback mode
Deck 2 is heard.

BASIC RECORDING



Preparation
- Wind up the tape to the point recording starts.
- Note that recording is done on only one side of the tape.
- Use only normal (type I) tapes.

***1* Insert the tape to be recorded on into deck 1 and push the cassette holder to close it.**

***2* Get ready for the source to be recorded.**
To record from a CD
Press the CD button and load a disc.
To record from a tape
Press the TAPE button. Then, insert the originel tepe into deck 2 and play it.
To record from a radio broadcast
Press the TUNER/BAND button and tune in to a station.
To record from the connected source
Press the VIDEO/AUX button and play it.

***3* Press the ● button to start recording.**
The ▶ button is depressed simultaneously.
When recording from a CD, playing and recording start simultaneously from the first track.

To stop recording
Press the ■/⏏ button on deck 1.

To pause recording
Press the II button on deck 1.
To resume recording, press it again.

To record selected tracks of the CD
Before pressing the ● button, program the tracks (see page 8).

To start recording precisely (except when recording from a CD)
Before pressing the ● button at step 3, press the II button on deck 1. Then, press the ● button. The deck enters recording pause mode. When you wish to start recording, press the II button again.

To record part of the CD
When the ● button is pressed, recording always starts from the first track. To start in the middle of a track, play the CD first and press the II button for CD at the point you wish to start recording from. Then, press the ● button. The pause mode for CD button is released automatically and recording starts.

NOTE
Do not press the buttons on deck 2 during recording.

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3. Hardware Description

This chapter describes the network topology for hybrid 10 Mbps and 100 Mbps networks, cabling requirement for connections, the interoperability between hubs and switches.

3.1 Connecting a hub/switch to normal port

You can use the ALH-316ds/324ds as a terminal connecting equipments in corporate LAN environment, and for the purpose of expanding your port number you can connect another hub/switch with it's uplink port to the normal port of ALH-316ds/324ds. See Figure 3-1

1. Place the hub/switch on a stable surface.
2. Use one end of the UTP/STP cord to connect to the uplink port of the hub/switch.
3. Use the other end of the UTP/STP cord to connect to the normal port of ALH-316ds/324ds
4. Check the status of Link LED. If the Link LED is lit on green then it works normal.
5. Then you can connect the terminal to the new hub/switch

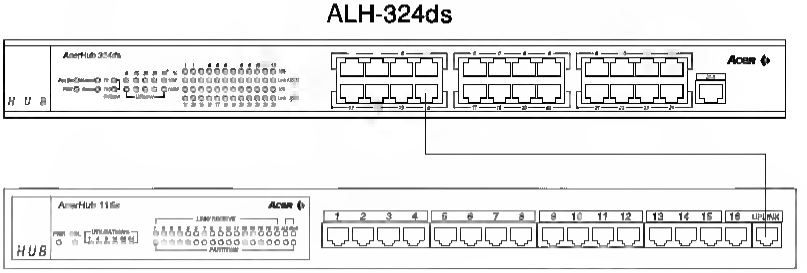


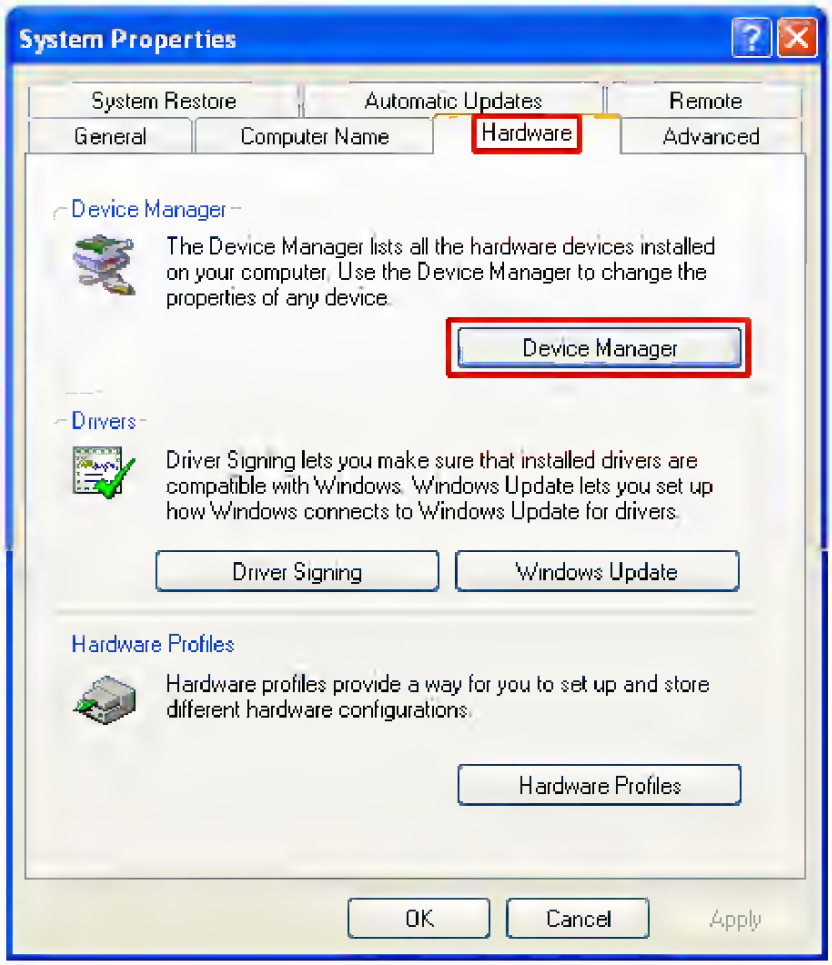
Figure 3-1 Connecting to normal port with other hub/switch

2.2 Verify Driver Installation

To verify if the driver has been installed successfully, please perform the following steps.

Step 1 Right-click on **My Computer** from your desktop and select **Properties**.

Step 2 If you are using Windows XP/2000 select the **Hardware tab**, then click on **Device Manager**.


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

If you are using **Windows Vista**, click on the device manager link on the left side of the screen.

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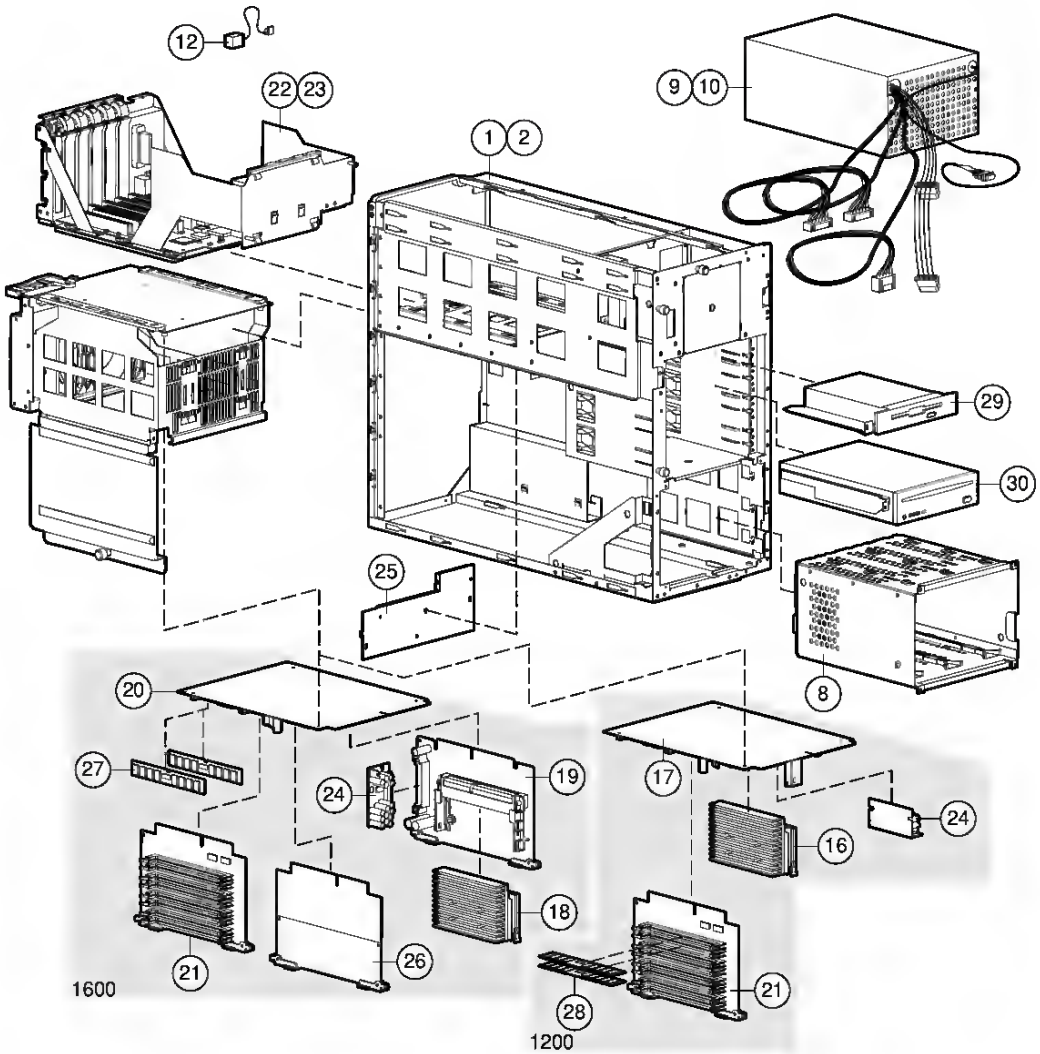
SERVICE ADJUST WB-ADJ OPTION SRV-TOOL
Produ SOFT 2.03J
Produ EEP 60.00.00/10
LSI DATA 0.00.05
Geo1 SOFT 1.00.00
Geo1 EEP 1.00.00
Geo1 FCMCOB 1.01.00
HUIL EEP --
OPTION 1 0c
OPTION 2 ea
OPTION 3 7f
Model ID 04
03bb0000
00000000
00000143
Time
Count 0000000
ADJUST CONTRAST TRAX
ADJUST COLOR
ADJUST TINT
ADJUST SUB-BRT
ADJUST BACKLIGHT
ADJUST H-POS
ADJUST H-AMP
ADJUST V-POS
ADJUST V-AMP
1 2:MAIN SELECT 3,4:SUB SELECT 5 :PICTURE MENU SELECT YELLOW-AUTO ADJUST VOL:ADJUST OK :WRITE
1 2:MAIN SELECT 3,4:SUB SELECT 5 :PICTURE MENU SELECT VOL:ADJUST OK :WRITE
WB-ADJ R-GAIN
WB-ADJ G-GAIN
WB-ADJ B-GAIN
WB-ADJ R-CENT
WB-ADJ G-CENT
WB-ADJ B-CENT
COLOR TEMP NORMAL
1,2:MAIN SELECT 3,4:SUB SELECT 7 :COLOR TEMP SELECT 8 :PICTURE MENU SELECT VOL:ADJUST OK :WRITE
OPTION Boot
OPTION STBY-SET
OPTION Emergency
OPTION I²C Delay
OPTION OPT 1
OPTION OPT 2
OPTION OPT 3
1,2:MAIN SELECT 3,4:SUB SELECT 5 :PICTURE MENU SELECT VOL:ADJUST
1,2:MAIN SELECT 3,4:SUB SELECT 5 :PICTURE MENU SELECT OK :POWER OFF
1,2:MAIN SELECT 3,4:SUB SELECT 5 :PICTURE MENU SELECT VOL:ADJUST
1,2:MAIN SELECT 3,4:SUB SELECT 5 :PICTURE MENU SELECT VOL:ADJUST OK :WRITE
1,2:MAIN SELECT 3,4:SUB SELECT 5,6:SET SELECT 9 :PICTURE MENU SELECT VOL:ADJUST OK :WRITE
1,2:MAIN SELECT 3,4:SUB SELECT 5,6:SET SELECT 9 :PICTURE MENU SELECT VOL:ADJUST OK :WRITE
1,2:MAIN SELECT 3,4:SUB SELECT 5,6:SET SELECT 9 :PICTURE MENU SELECT VOL:ADJUST OK :WRITE
Srv-TOOL
1 2:MAIN SELECT 5 :PICTURE MENU SELECT OK :ENTER

Key Command

- Press the **3/4** button to change the adjustment values or function.
- Press the **1/2** button to step up/down through the functions and adjustments
- Press the numerical button **VOLUME** (+/-) to change option item.
- Press the **OK** button after each adjustment has been made to store the required values.

Figure 1-1. Exploded View of the Compaq ProLiant 1600 and ProLiant 1200 Server Mechanical Parts

System Components Exploded View



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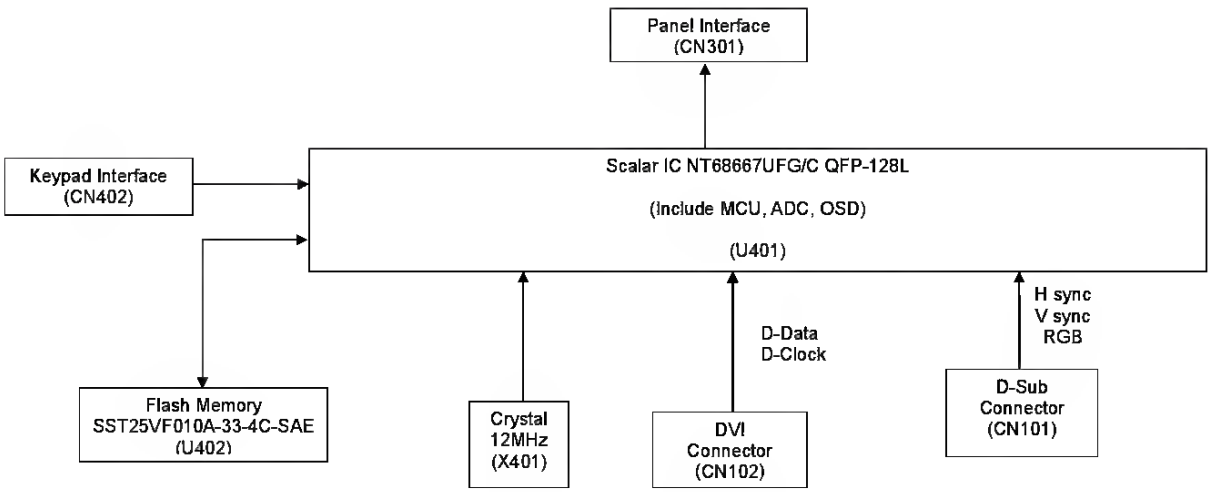
Main Board Diagram



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Asl300_E book Page 6 Tuesday, July 9, 2002 2:01 PM

English

Right view

#	Item	Description
1	Optical drive	Depending on your model, the optical drive is one of the following: • CD-ROM drive for reading CDs • DVD-ROM drive for reading CDs and DVDs • DVD/CD-RW combo drive for reading CDs and DVDs, and writing to CD-Rs and CD-RWs
2	Optical drive emergency eject hole	Used to eject an optical disc when the computer is turned off.
3	Optical drive eject button	Press the eject button to remove a disc from the optical drive.
4	Optical disc read indicator	Light emitting diode (LED) that indicates when an optical disc is being read.

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Text Conventions

This document uses the following conventions to distinguish elements of text:

User Input, GUI Selections	Text a user types or enters appears in boldface. Items a user selects from a GUI, such as tabs, buttons, or menu items, also appear in boldface. User input and GUI selections can appear in uppercase and lowercase letters.
File Names, Command Names, Directory Names, Drive Names	These elements can appear in uppercase and lowercase letters.
Menu Options, Dialog Box Names	These elements appear in initial capital letters and may appear in bold for emphasis.
Type	When you are instructed to *type* information, type the information **without** pressing the **Enter** key.
Enter	When you are instructed to *enter* information, type the information and then press the **Enter** key.

Symbols in Text

These symbols may be found in the text of this guide. They have the following meanings:

WARNING: Text set off in this manner indicates that failure to follow directions in the warning could result in bodily harm or loss of life.

CAUTION: Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

IMPORTANT: Text set off in this manner presents clarifying information or specific instructions.

NOTE: Text set off in this manner presents commentary, sidelights, or interesting points of information.

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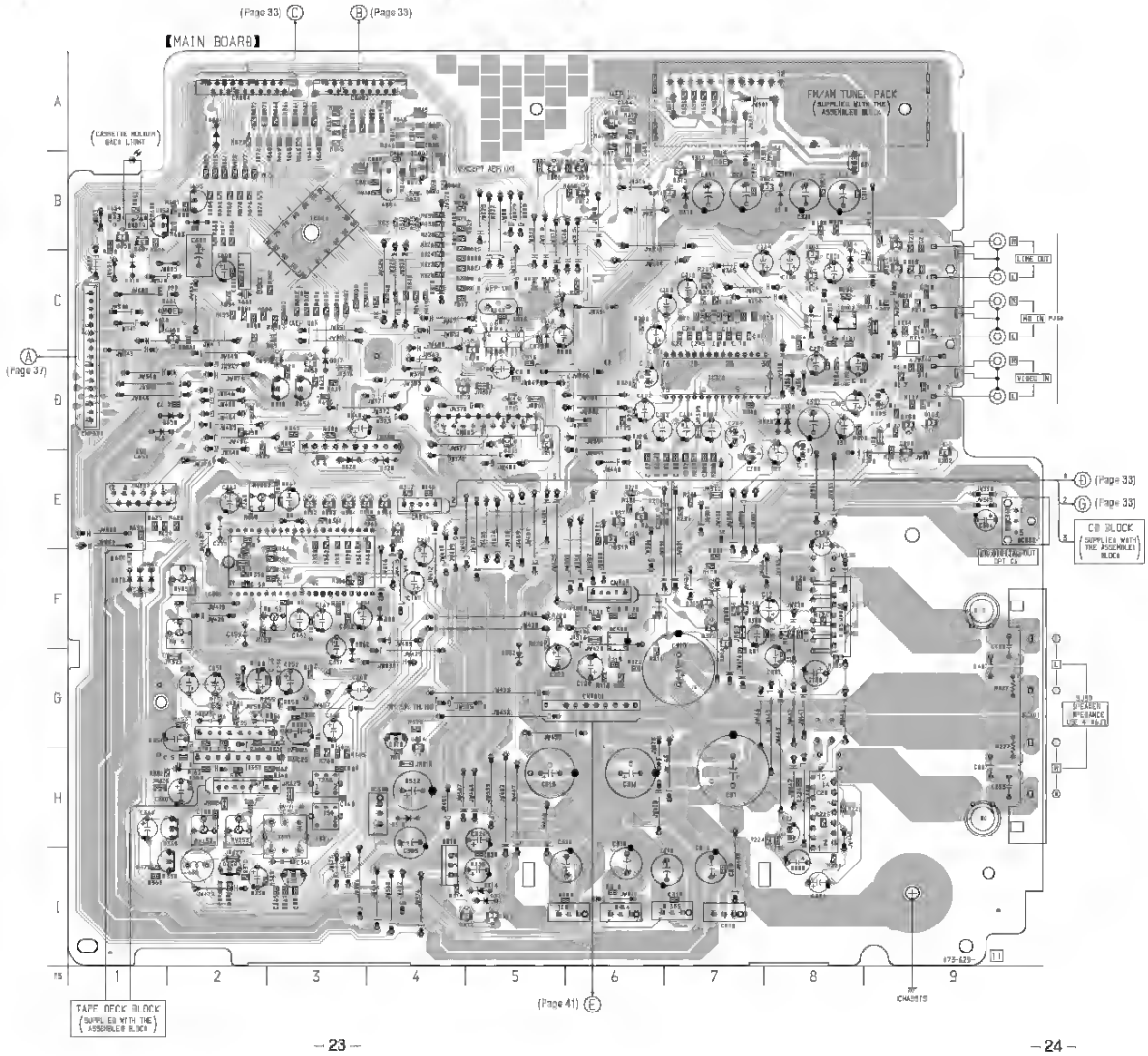
6-5. PRINTED WIRING BOARD – MAIN Section – • See page 22 for Circuit Boards Location.



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4 Selecting Programs

After you've plugged everything in, you'll probably want to check out the factory presets we programmed into the Spitfire. This chapter shows you how to do that.

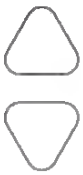
To Select Programs

1. Make sure the Spitfire is hooked up properly and turned on, as outlined in chapter 2.

2. Make sure you're in PLAY mode (turn the EFFECT knob to PLAY).

3. You can switch programs in three different ways:

   Program Up/Down buttons
   Use these buttons to increment and decrement the program number. You can hold down a button to increment or decrement programs continuously.



   VALUE knob
   You also can turn this knob to switch programs.

   Footswitches (not provided with the Spitfire)
   This is the easiest way to switch programs, especially while playing your guitar. Just plug footswitches into the FOOTSWITCH UP and DOWN inputs and step on them to increment and decrement the program number. You can hold down a footswitch to increment or decrement programs continuously.

4. Play your guitar to hear how the program affects the sound.

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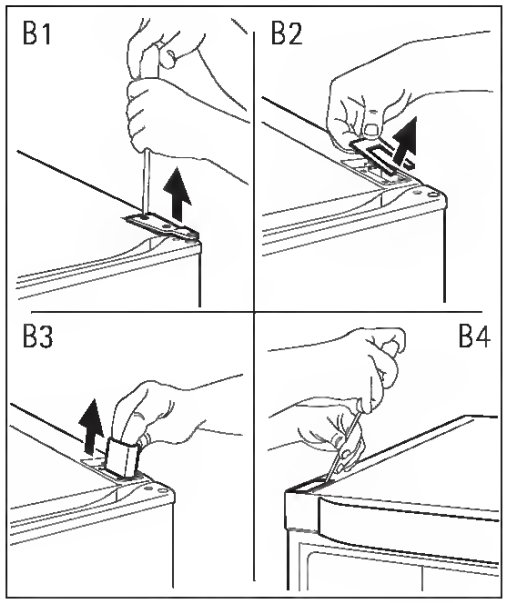
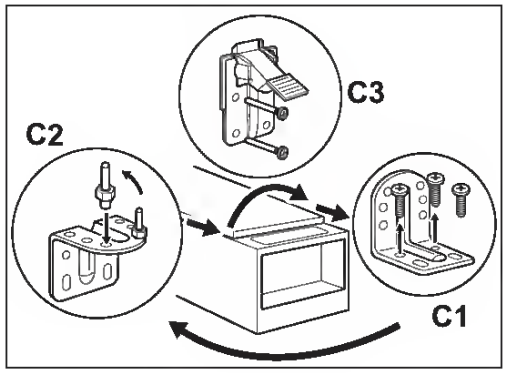
5. Unscrew the hinge (B1) and remove the cover plate (B2) and the support (B3).

   Remove the cover (B4) on the opposite side and install the support (B3) the cover plate (B2) and the hinge (B1). Install the cover (B4) on the opposite side.



6. Unscrew the lower hinge (C1). Move the pin to the opposite side (C2). Unscrew and move the pedal to the opposite side (C3).

   Screw on the lower hinge on the opposite side.
7. Tighten the pin with the adjustment spanner supplied.
8. Install the handle on the opposite side.
9. Raise the appliance and install the ventilation grille.
10. Put the cabinet in position.



WARNING!
Reposition, level the appliance, wait for at least four hours and then connect it to the power socket.

Do a final check to make sure that:

- All screws are tightened.
- The magnetic seal adheres to the cabinet.
- The door opens and closes correctly.

If the ambient temperature is cold (i.e. in Winter), the gasket may not fit perfectly to the cabinet. In that case, wait for the natural fitting of the gasket.

NOISES

There are some sounds during normal running (compressor, refrigerant circulation).

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Chapter 1 General

UNIT OVERVIEW

The ADTRAN T1 Channel Service Unit (CSU) Advanced Communications Equipment (ACE) provides the T1 interface between customer premises equipment (CPE) such as channel banks, T1 multiplexers, and the carrier network as shown in Figure 1. The unit complies with Part 68 of FCC Rules and with applicable sections of AT&T 62411, ANSI T1.102 and ANSI T1. 403.

The unit provides functions such as surge protection, signal regeneration, alarms, loopbacks necessary for circuit operation and fault isolation as illustrated in Figure 2 on page 22. The unit is transparent to ESF or SF framing formats and AMI or B8ZS line coding.

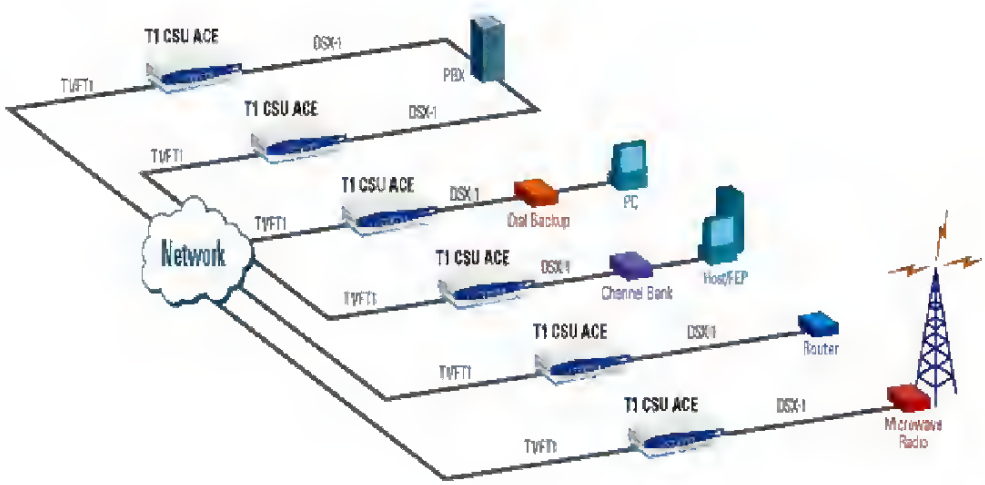

Figure 1. T1 CSU ACE Applications

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TOWING YOUR AIRSTREAM

SUGGESTED PRE-TRAVEL CHECK LIST

Interior

1. Turn off water pump switch
2. Check battery water level
3. Close windows and vents
4. Lock all interior cabinet doors
5. Latch refrigerator door (Seal containers first)
6. Hold down or stack securely all loose, hard and sharp objects
7. Fasten sliding and foldette doors
8. Drain toilet bowl,
9. Turn off interior lights
10. Set table in upright position
11. Pull up or retract step
12. Lower blinds
13. Secure and lock main door

Exterior

1. Disconnect and stow the electrical hookup cord, the sewer hookup hose (flush out), and the water hookup hose
2. Turn off gas at LP tanks
3. Retract stabilizing jacks
4. Check Hitch: It must be properly attached
5. Check safety chains and breakaway switch cable
6. Fully retract jack. Remove and stow jack stand or wood block.
7. Check clearance and stoplights
8. Check lug nuts
9. Check tires for correct pressure
10. Check that TV antenna is properly stowed
11. Adjust tow vehicle mirrors
12. Pull forward some 50 ft, test brakes, and check site for forgotten objects and cleanliness.

NOTICE! CHECK WHEEL LUGS

On first trip, tighten wheel lugs at start and at 10, 25, and 100 miles. Torque aluminum wheels to 110-120 ft. lbs. and steel wheels to 95 ft. lbs. There after, check wheel lugs before each trip, after excessive braking, and following winter storage.

Home

1. Leave house key with your neighbors
2. Valuables and important papers should be stored in a safe place
3. Newspaper, milk and other deliveries should be discontinued
4. Ask the Post Office to hold your mail for you
5. Arrange with the telephone company for discontinued or "vacation service"
6. Arrange care for your pets
7. Your lawn, garden and houseplants should be cared for
8. Lock all windows and doors securely. Keep shades open for a lived in look
9. Cover all food to keep out mice and insects
10. Eliminate all fire hazards. Place matches in a tin box or glass jar
11. Store oil, gasoline and other flammables properly
12. Destroy all newspapers, magazines and oily rags
13. Notify police

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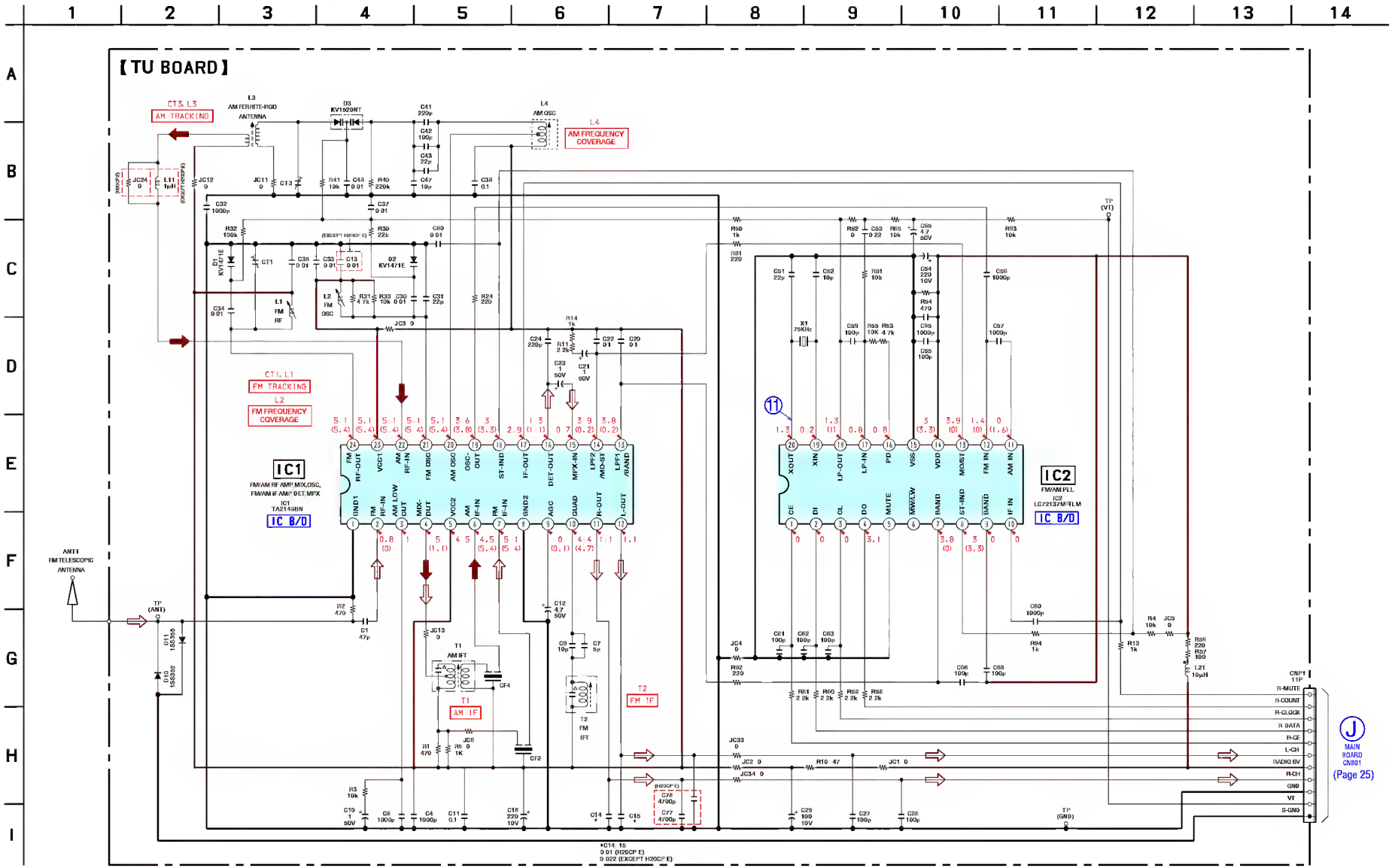
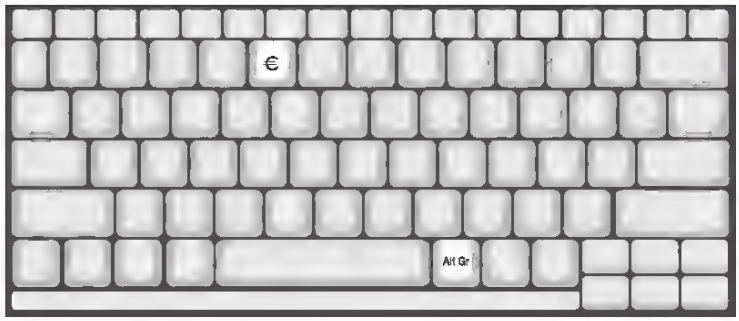
6-7. SCHEMATIC DIAGRAM – TU Board – • See page 32 for Waveforms. • See page 32 for IC Block Diagrams.



English

Special keys

You can locate the Euro symbol at the upper-center and/or bottom-right of your keyboard. To type:



The Euro symbol

1 Open a text editor or word processor.

2 Either directly press the **Euro** key at the bottom-right of the keyboard, or hold **<Alt Gr>** and then press the **Euro** key at the upper-center of the keyboard.

Note: Some fonts and software do not support the Euro symbol. Please refer to www.microsoft.com/typography/faq/faq12.htm for more information.

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Software Deployment and Management Features

HP offers an extensive set of features and optional tools to support effective software deployment and management. See Chapter 4, "Deployment and Management," for more detailed descriptions of the following:

- ProLiant BL e-Class Integrated Administrator

  The ProLiant BL e-Class Integrated Administrator is a centralized management and monitoring system for the ProLiant BL e-Class enclosure and server blades. The Integrated Administrator acts as a combination terminal server and remote power controller, enabling out-of-band, secure, serial console connections to all server blades in the enclosure.

- ROM-Based Setup Utility (RBSU)

  RBSU performs a wide range of configuration activities and provides access to numerous settings, including those for system devices and operating system selection.

- Redundant ROM support

  Each server blade has two 1-MB ROM images: one of which contains the current version of the ROM, while the second contains a backup version of the ROM. If the first ROM becomes corrupt, the system defaults to the backup version, maximizing uptime and server availability.

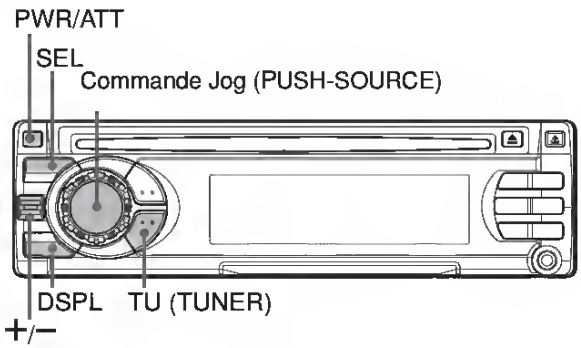
- Rapid Deployment Pack

  Rapid Deployment Pack features include:

  — A graphical deployment console which provides intuitive drag-and-drop events, such as scripts and images, to deploy the operating systems and applications on any combination of server blades installed in the enclosures

  — Simultaneous deployment of multiple server blades

FONCTIONNEMENT DE BASE, REGLAGE DU SON ET DE L'HORLOGE



Mise sous/hors tension

- L'appareil peut être mis sous tension en appuyant sur une touche quelconque du panneau avant, sauf ⏏ et ⇫. Il se met aussi sous tension à l'insertion d'un CD.
- Maintenez **PWR/ATT** pressé jusqu'à la mise hors tension.

Remarque
Sauf indication explicite contraire, la plupart des opérations décrites dans ce manuel exigent que l'appareil soit mis sous tension avant leur démarrage.

Changement de mode source

1 Appuyez sur la **commande Jog (PUSH-SOURCE)**. La pression de la **commande Jog (PUSH-SOURCE)** fait passer cycliquement entre les modes source dans l'ordre suivant:
F1 (F2/F3/A1/A2) → DISC* → AUX IN

* "DISC" ne s'affiche pas quand il n'y a pas de CD dans l'appareil.

Réglage du volume

1 Tournez la **commande Jog**. "VOL (volume)" s'affiche.

Mise en sourdine

1 Appuyez brièvement sur **PWR/ATT**. "ATT ON" s'affiche.

Pour rétablir le volume, appuyez de nouveau brièvement sur **PWR/ATT**.

Réglage du son

Vous pouvez sélectionner les modes suivants pour régler le son en fonction de la music que vous entendez: BASS (basses fréquences), TRE (hautes fréquences), BAL (gauche/droite), FAD (devant/arrière), H-BASS (graves renforcés)*, DSSA (L'ajustement du conducteur du stage du son "Drivers Sound Stage Adjustment")** et BBE***.

* Vous pouvez renforcer le son grave.
** Vous pouvez ajuster le stage du son et la balance sonore pour mieux servir un siège particulier de votre voiture.
*** Vous pouvez renforcer la netteté du son de hautes fréquences.

1 Appuyez plusieurs fois sur **SEL** pour sélectionner le mode à régler.
L'appui sur **SEL** vous fait basculer entre les différents modes. L'indicateur du mode sélectionné apparaît.
2 Tournez la **commande Jog** pour augmenter ou diminuer le niveau pour le mode sélectionné (sauf pour H-BASS, DSSA et BBE).
En mode H-BASS, tournez la **commande Jog** pour sélectionner 1, 2, 3 ou OFF.
En mode DSSA, tournez la **commande Jog** pour sélectionner L (siège avant gauche), R (siège avant droit) ou OFF.
En mode BBE, tournez la **commande Jog** pour sélectionner 1, 2 ou OFF.

Remarques

- Le réglage d'un niveau ou la sélection d'un article doivent être dans un laps de temps ne dépassant pas les 5 secondes, faute de quoi le mode sélectionné reviendra sur son état précédent.
- Quand le DSSA est activé, vous ne pouvez pas ajuster les BAL et FAD.

Alignement des niveaux de source

(Réglage des niveaux de source)

Le volume peut varier chaque fois que vous changez de mode source. Dans ce cas, vous pouvez aligner le volume de chaque mode source pratiquement au même niveau.

1 Appuyez plusieurs fois sur la **commande Jog (PUSH-SOURCE)** ou **TU (TUNER)** pour sélectionner le mode souhaité.
2 Appuyez sur **DSPL** en maintenant **SEL** pressé. "LEVEL 0" s'affiche.
3 Tournez la **commande Jog** pour régler le niveau.

Remarque

Réglez le niveau dans les 5 secondes, sinon le mode sélectionné sera annulé.

Rétablissement des réglages d'usine

1 Mettez l'appareil hors tension.
2 Maintenez **DSPL** pressé jusqu'à ce que "LEVEL --" s'affiche.

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Microsoft Software

Microsoft Windows NT Server 4.0/Enterprise Edition (Windows NTS/E) and Microsoft Windows 2000 Advanced Server are the operating systems for the Compaq ProLiant Clusters HA/F100 and HA/F200. The Microsoft clustering software, Cluster Server for Windows NTS/E and Microsoft Cluster Service for Windows 2000 Advanced Server (MSCS), provides the underlying technology to:

- Send and receive heartbeat signals between the cluster nodes.
- Monitor the state of each cluster node.
- Initiate failover and failback events.

NOTE: MSCS will only run with Windows NTS/E. Previous versions of Windows NT are not supported.

NOTE: The HA/F200 only supports MSCS with Windows 2000 Advanced Server. Other versions of Windows 2000 are not supported.

Microsoft Cluster Administrator, another component of Windows NTS/E and Windows 2000 Advanced Server, allows you to do the following:

- Define and modify cluster groups
- Manually control the cluster
- View the current state of the cluster

NOTE: Microsoft Windows NTS/E or Microsoft Windows 2000 Advanced Server must be purchased separately for your Compaq ProLiant Cluster, through your Microsoft reseller.

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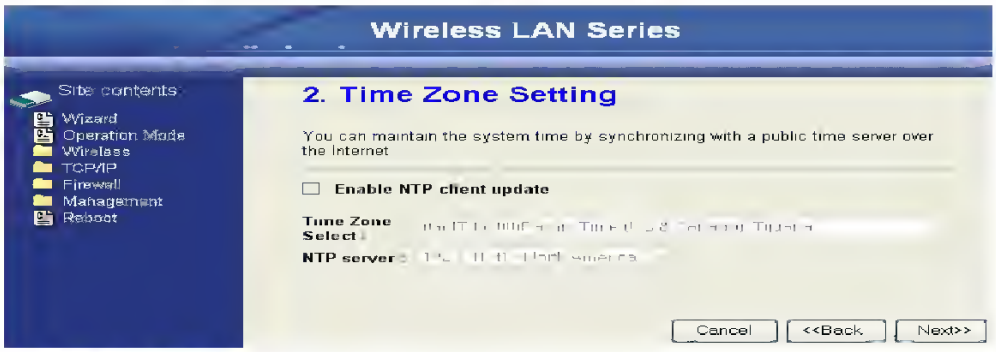
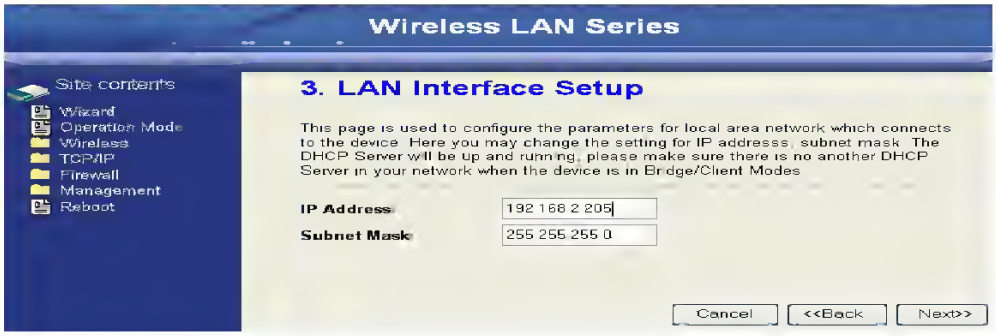
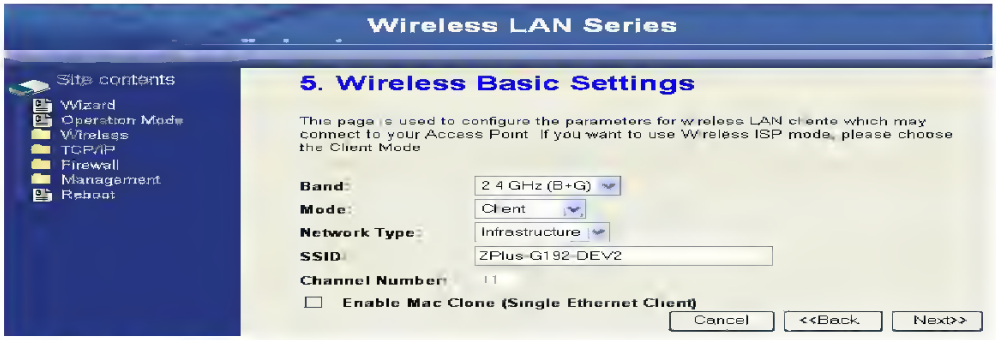
Compaq Confidential – Need to Know Required



5. Press "Next>>" button then set the IP address of LAN interface.

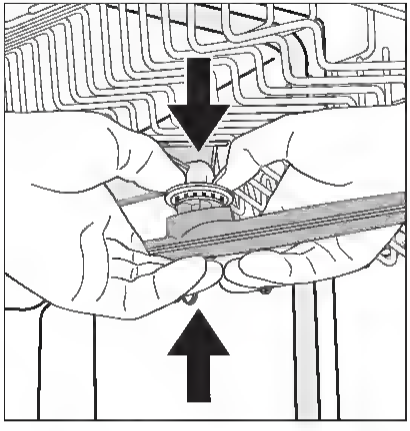

Wireless LAN Series
Site contents:
Wizard
Operation Mode
Wireless
TCP/IP
Firewall
Management
Reboot
3. LAN Interface Setup
This page is used to configure the parameters for local area network which connects to the device. Here you may change the setting for IP addresss, subnet mask. The DHCP Server will be up and running, please make sure there is no another DHCP Server in your network when the device is in Bridge/Client Modes
IP Address:
192.168.2.205
Subnet Mask:
255.255.255.0
Cancel
<<Back
Next>>

6. Press "Next>>" button then select the "Client" for "mode" and change the SSID to "AWAP08O-11gHP".



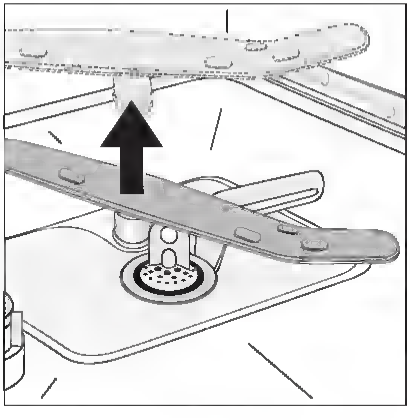
7. Press "Next>>" button then select "None" for "Encryption" then press "Finished" button.

3. Place cleaned upper basket spray arm back in position against the connecting piece: press the two together firmly, until you feel them snap into place.



Bottom spray arm

1. To remove bottom spray arm, pull it upwards out of its catch.
2. Clean spray arm jets.
3. Place bottom spray arm back in position against connecting piece and press down firmly, until you feel it snap into place.



FC-AL Switch

One FC-AL Switch can also be installed between cluster nodes and shared storage arrays in a PDC/O1000 cluster to create a non-redundant Fibre Channel Arbitrated Loop (FC-AL).

The FC-AL Switch is another device for connecting one Fibre Host Adapter in each node with the array controller in the RA4000/RA4100 Array. The Fibre Host Adapter in each node, the FC-AL Switch, and the RA4000/RA41000 Arrays to which they are connected belong to the same non-redundant FC-AL.

The FC-AL Switch 8 supports eight ports. With the addition of the 3-port Expansion Module (PEM), the switch supports 11 ports.

For further information, refer to the *Compaq StorageWorks Fibre Channel Arbitrated Loop Switch (FC-AL Switch) User Guide.*

Fibre Host Adapters

Fibre Host Adapters are the interface between the cluster nodes (servers) and the RA4000/RA4100 Arrays to which they are connected. As Figure 2-1 shows, a Fibre Channel cable runs from one Fibre Host Adapter in each cluster node to a port on the Fibre Channel SAN Switch, FC-AL Switch, or Storage Hub.

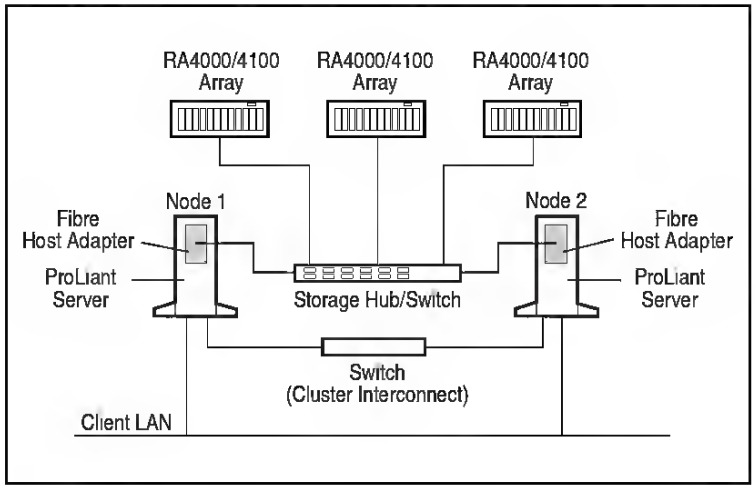


Figure 2-1. Fibre Host Adapters in a two-node PDC/O1000 cluster

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Figure 1-11 shows the Single Host, Single Adapter/dual Controller (y-cable connection) Cabling diagram.

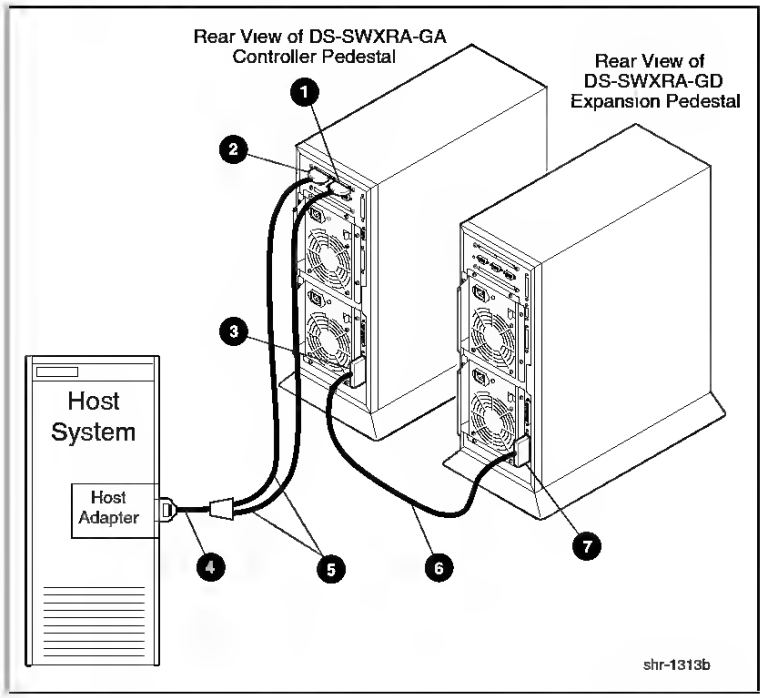

Figure 1-11. Single host, single adapter/dual controller (y-cable connection) cabling diagram

Table 1-4
Single Host, Single Adapter/Dual Controller
(Y-cable connection cabling)

Item	Description
❶	Host #1 VHDCI connector
❷	Host #0 VHDCI connector
❸	SCSI device bus out connector D0
❹	SCSI Y-cable BN-21W-0B
❺	(2) SCSI cables BN37A-05 (connections to Y-cable made using two Technology Adapter cables BN38E-0B, not shown)
❻	SCSI cable 17-04454-01
❼	SCSI device bus In connector D0

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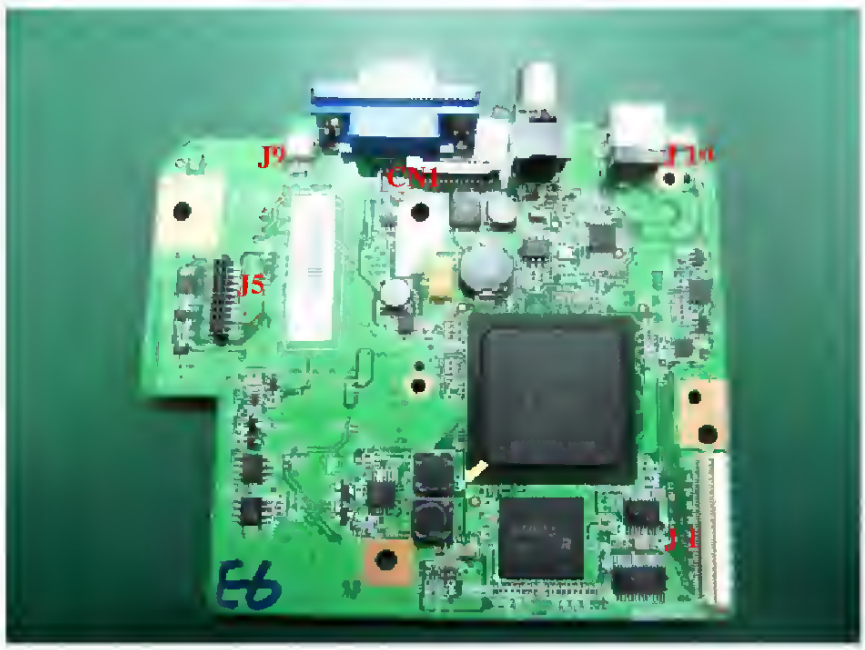
Video

I/O port	Video
Test Equipment	Standard Pattern generator (Ex. Quantum data)&DVD player
Criteria	No apparent color deviation on the projected image

5 Connector Information

This section provides each connector location on boards and function of each board. They will be useful for your detecting the defective boards.

5.1 Main Board



Connector	Description
CN1	FFC Cable (to keypad)
J1	DMD Board
J5	LED Drive Board
J9	Fan
J10	Photo sensor

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System Board

To remove the system board:

1. Power down the server blade and remove it from the server blade enclosure. Refer to the "Server Blade Preparation" section in this chapter.
2. Remove the access panel. Refer to the "Access Panel" section in this chapter.
3. Remove the DIMMs. Refer to the "DIMMs" section in this chapter.
4. Remove the PPMs. Refer to the "Processor Power Module" section in this chapter.
5. Remove the processor assemblies. Refer to the "Processor Assembly" section in this chapter.
6. Remove the Battery-Backed Write Cache Enabler, if the option is installed. Refer to the "Battery-Backed Write Cache Enabler" section in this chapter.
7. Remove the blower assembly. Refer to the "Blower Assembly" section in this chapter.
8. Remove the Compaq Smart Array 5i Controller module. Refer to the "Compaq Smart Array 5i Controller Module" section in this chapter.
9. Remove the NIC module. Refer to the "NIC Modules" section in this chapter.
10. Remove the SCSI backplane. Refer to the "SCSI Backplane" section in this chapter.
11. Remove the system board battery. Refer to the "Battery" section in this chapter.
12. Loosen the system board thumbscrew.

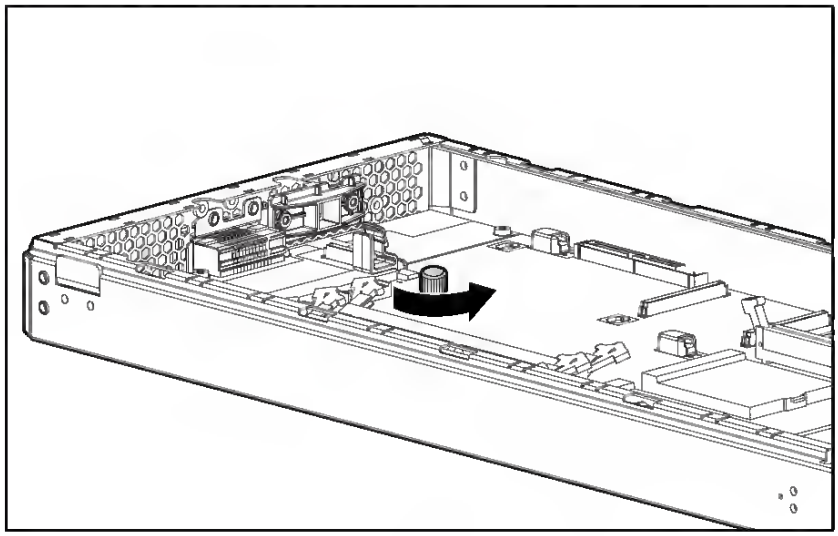

Figure 2-19: Loosening the system board thumbscrew

Figure 3.3(a)

Green button means PASS, Red button means FAIL, as shown in figure 3.3(b) and 3.3(c).

Figure 3.3(b)

Figure 3.3(c)

Rear_Camera:

Rear Camera test, click on "Take Photo"button, it should take a picture by rear camera, check the picture and according to the actual result that you saw to choose PASS or FAIL.as shown in figure 3.4(a).

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For more information

For additional information, refer to the resources detailed below.

Table 13. Web resources

Resource description	Web address
HP and Microsoft Frontline Partnership website	www.hp.com/go/microsoft
Microsoft website	www.microsoft.com
Microsoft Windows Server 2003 Service Pack 2 Installation and Deployment Guide	www.microsoft.com/technet/windowsserver/sp2.mspx

Call to action

Send comments about this paper to: TechCom@HP.com.

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GUIA PARA LA SOLUCION DE PROBLEMAS

Si la unidad no funciona como se describe en este Manual de instrucciones, compruebe la guía siguiente.

SECCION GENERAL

No hay sonido.
- ¿Esté edecuedamente conectado el cable de elimentación de CA?
- ¿Hey elgune conexión incorrecta? (→ página 3)
- Es posible que los terminales de los altavoces estén cortocircuitados.
  → Desconecte el cable de alimentación de CA y cornja las conexiones de los altavoces.
- ¿Ha presionado un botón de función incorrecto?
- ¿Ha ajustado correctamente los botones FRONT SPEAKERS A y B? (→ página 6)

El sonido solamente sale a través de un altavoz.
- ¿Está adecuadamente ejustedo el control BALANCE?
- ¿Está desconectado el otro altevoz?

El sonido se oye con un volumen muy bajo.
- ¿Ha presionedo el boton MUTING?

La visualización es errónea o sa produjo un mal funcionamiento.
→ Reponga la unidad como se indica más abajo.

SECCION DEL SINTONIZADOR

Hay estáticos constantes en forma de onda.
- ¿Está adecuadamente conectede le entene? (→ página 5)
- ¿Es débil le señal?
  → Conecte una antena exterior.

La recepción contiene interferancias de ruido o el sonido se oye distorsionado.
- ¿Está el sistema ceptando ruido externo o distorsión de múltiples trayectorias?
  → Cambie la orientación de la antena.
  → Aleje la unidad de otros aparatos eléctricos.

Raposición

Si hay alguna visuelización anormal o se produce un mal funcionamiento, reponga la unidad de la forma siguiente.

1 Presione el botón POWER para desconectar la alimenteción.
2 Presione el botón POWER manteniendo pulsado el botón SET. Todos los ajustes almecenados en la memoria después de haber adquirido la unidad se borrarán.

Si no puede desconectar le alimentación en el peso 1 debido a algún mal funcionemiento, reponge le unided desconectendo el cable de alimentación de CA, y después repita el paso 2.

INDICE DE LAS PARTES

Las instrucciones sobre cada parte de la unidad o del controlador remoto se indican en las páginas mostredes e continuación.

(en orden alfabético)

Partes	Páginas
ADDRESS	14
AUX/TV	6, 9
BALANCE	7, 13
BBE	7
CD	6, 9
CLOCK	6
DOLBY PRO LOGIC	12
DOWN ▼ (◀)	6, 8, 10, 11, 13, 15
DSP	8
FRONT SPEAKERS A, B	6, 9
GEO	8
LEARN	14
MANUAL SELECT (TEST)	13
MEMORY	14
MONO TUNER	10
MUTING, MUTE	7
PHONES	8
POWER	6
SET	6, 11
SLEEP	14
TAPE MONITOR	6, 9
T-BASS	7
TUNER, BAND DIRECT	6, 9, 10, 11
UP ▲ (▶)	6, 8, 10, 11, 13, 15
VIDEO 1	6, 9
VIDEO 2, LD/MD	6, 9
VIDEO 3	6, 9
VOLUME	7

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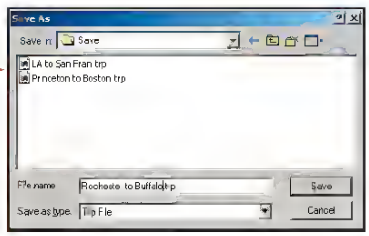
Save Trip

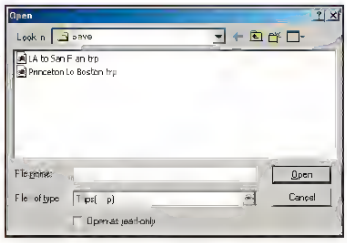
Save Trip button or *Save Trip.../Save Trip As...* in the **File** menu.



Opens a standard Windows dialog where you can name your trip and save it to your hard drive either before or after running it in the *Trip Planner*.

Open Trip

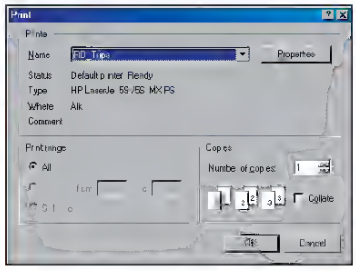
Open Trip button or *Open Trip...* in the **File** menu.



Opens a standard Windows dialog where you can select a saved trip to open in the *Trip Planner* window.

Print

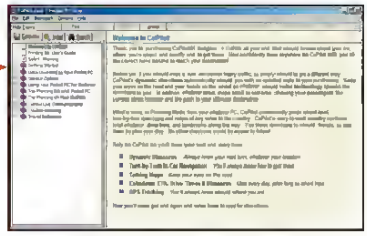
Print button or *Print...* in the **File** menu



Takes you to the standard Windows **Print** options for printing the active window that contains your map or driving directions. Activate the map or directions by clicking on it or selecting it in the **Window** menu. Select *Print TravPak...* from the **File** menu to print driving directions, an overview map, and a zoomed map of each stop.

Help

Help button or *Help Contents and Search* in the **Help** menu



Opens the CoPilot Help window with the **Contents** tab open on the left. From here you can search for help by topic, use the **Index**, or **Search** for a word or phrase

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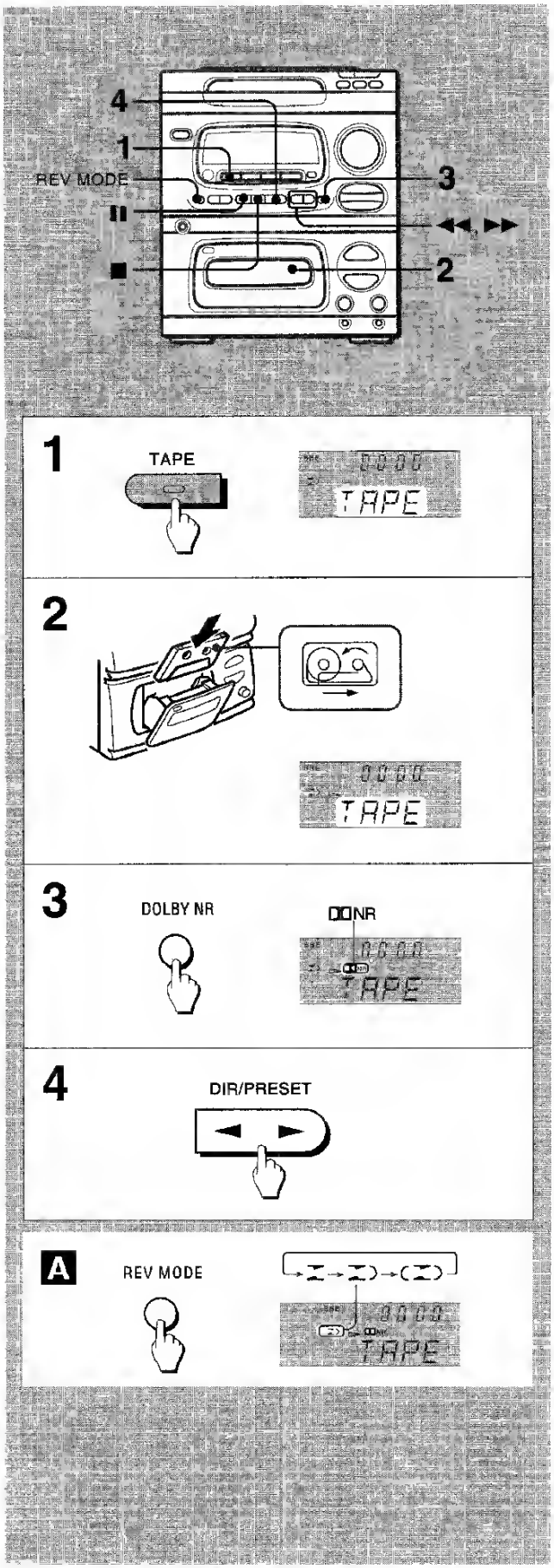
BASIC OPERATIONS



1 Press the TAPE button.

The power is turned on and the button lights in red.

If a tape is inserted
You can turn the unit on and begin playback by pressing the TAPE button (direct play function).

2 Open the cassette holder by pressing the ≜ EJECT mark and insert a tape exposed side down. Push the cassette holder to close it.

3 Set DOLBY NR to match the playback tape.

For tapes recorded with DOLBY NR, press the DOLBY NR button to turn on DD NR.
For tapes recorded without DOLBY NR, press the DOLBY NR button to turn off DD NR.

4 Press the ◄► button to start playback.

Playback starts from the side facing you.

To select a reverse mode → A
Each time the REV MODE button is pressed, the reverse mode changes.
To play one side only, turn on →.
To play both sides once only, turn on →).
To play both sides repeatedly, turn on (→).

To stop playback
Press the ■ button.

To pause
Press the II button.
The II button flashes.
To resume play, press it again.

To fast forward or rewind
In stop mode, press the ◄◄ DOWN or ►► UP button.
To stop fast forward or rewind, press the ■ button.

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Appendix A

Preset Signals

Preset signal		fH (kHz)	fV (Hz)	Sync	Size
Video 60 Hz		15.734	59.940		
Video 50 Hz		15.625	50.000		
Component 60 Hz		15.734	59.940	5 on G/Y or Composite 5ync	
Component 50 Hz		15.625	50.000	5 on G/Y or Composite 5ync	
640 x 350	VGA mode 1	31.469	70.086	H(+), V(-)	800
	VGA VE5A 85 Hz	37.861	85.080	H(+), V(-)	832
640 x 400	VGA 85Hz	37.861	85.080	H(-), V(+)	832
720 x 400	VGA mode 2	31.500	70.087	H(-), V(+)	900
	VGA VE5A 85 Hz	37.927	85.038	H(-), V(+)	936
640 x 480	VGA mode 3	31.469	59.940	H(-), V(-)	800
	VGA VE5A 72 Hz	37.861	72.809	H(-), V(-)	832
	VGA VE5A 75 Hz	37.500	75.000	H(-), V(-)	840
	VGA VE5A 85 Hz	43.269	85.008	H(-), V(-)	832
800 x 600	5VGA VE5A 56 Hz	35.156	56.250	H(+), V(+)	1024
	5VGA VE5A 60 Hz	37.879	60.317	H(+), V(+)	1056
	5VGA VE5A 72 Hz	48.077	72.188	H(+), V(+)	1040
	5VGA VE5A 75 Hz	46.875	75.000	H(+), V(+)	1056
	5VGA VE5A 85 Hz	53.674	85.061	H(+), V(+)	1048
1024 x 768	XGA VE5A 60 Hz	48.363	60.004	H(-), V(-)	1344
	XGA VE5A 70 Hz	56.476	70.069	H(-), V(-)	1328

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FB851	71A 55 9 T	CORE RF BEAD RH 3 5X6X0	
J801	95A 90 23	TIN COATED	
LOCATION	**ARB793Z5NAYL**	**SPECIFICATION**	**REMARK**
J802	95A 90 23	TIN COATED	
J803	95A 90 23	TIN COATED	
J804	95A 90 23	TIN COATED	
J805	95A 90 23	TIN COATED	
J806	95A 90 23	TIN COATED	
J807	95A 90 23	TIN COATED	
J808	95A 90 23	TIN COATED	
J809	95A 90 23	TIN COATED	
J810	95A 90 23	TIN COATED	
J811	95A 90 23	TIN COATED	
J812	95A 90 23	TIN COATED	
J815	95A 90 23	TIN COATED	
L801	73A 5410810T	Peaking Coil 0 1UH +-10	
L802	73A 5410810T	Peaking Coil 0 1UH +-10	
L803	73A 5410810T	Peaking Coil 0 1UH +-10	
L804	61A 17210152T	CFR 100OHM+-5% 1/4W	
L850	73A 5433810T	0 33uH +-10%	
L851	73A 5422810T	0 22UH +-10%	
L852	73A 5433810T	0 33uH +-10%	
R801	61A 60275052T	CFR 75 OHM+-5% 1/6W	
R802	61A 60275052T	CFR 75 OHM+-5% 1/6W	
R803	61A 60275052T	CFR 75 OHM+-5% 1/6W	
R804	61A 60233052T	CFR 33 OHM +-5% 1/6W	
R805	61A 60233052T	CFR 33 OHM +-5% 1/6W	
R806	61A 60233052T	CFR 33 OHM +-5% 1/6W	
R807	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R808	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R809	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R810	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R811	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R812	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R813	61A 21010352T	MFR 10K OHM +- 1% 1/6W	
R814	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R815	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R818	61A 60210152T	CFR 100 OHM+-5% 1/6W	
R820	61A 60282252T	CFR 8 2K OHM +-5% 1/6W	
R821	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R823	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R824	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R825	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R826	61A 60222152T	CFR 220 OHM +-5% 1/6W	
R827	61A 60222352T	CFR 22K OHM+-5% 1/6W	
R828	61A 60222252T	CFR 2 2K OHM +-5% 1/6W	
R830	61A 60256252T	CFR 5 6KOHM+-5% 1/6W	
R831	61A 60256252T	CFR 5 6KOHM+-5% 1/6W	
R832	61A 60275252T	CFR 7 5K OHM +-5% 1/6W	
R834	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R835	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R836	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R837	61A 60210252T	CFR 1K OHM+-5% 1/6W	
R839	61A 60222252T	CFR 2 2K OHM +-5% 1/6W	
R847	61A 60222052T	CFR 22 OHM+-5% 1/6W	
R854	61A 17222052T	CFR 22OHM+-5% 1/4W	

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Power Supply Lock Bar

To remove the power supply lock bar:

1. Unlock the padlock securing the top end of the lock bar ❶.
2. Pull the top of the lock bar from its secured position ❷. Then lift the lock bar away from the server ❸.

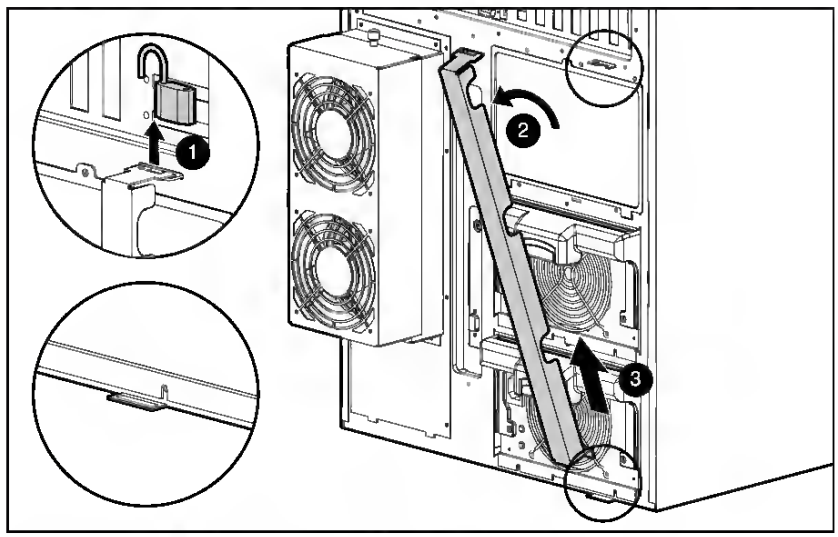

Figure 2-19. Removing the power supply lock bar from its locking position

Reverse steps 1 and 2 to replace the power supply lock bar.

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Example directions in this guide	What to do in the user interface
Select **Controller > VSCs > [*VSC-name*] >> Configuration**.	**On a non-teamed MSM7xx controller** Expand the **Controller** branch (click its + symbol), expand the **VSCs** branch, select a **[*VSC-name*]**, then select **Configuration** on the main menu. **On an MSM7xx controller team** In the Network Tree on the team manager, expand the **Team: [*team-name*]** branch (click its + symbol), expand the **VSCs** branch, select a **[*VSC-name*]**, then select **Configuration** on the main menu.
For **Password** specify **secret22**.	In the **Password** field enter the text **secret22** exactly as shown.

New in this release

New CLI commands in this release are identified by the text New in the left margin. This is done in the table of contents, alphabetical list of commands, and *Chapter 2: CLI commands*.

HP support

For support information, visit www.hp.com/networking/support and for **Product Brand**, select **ProCurve**. Additionally, your HP-authorized networking products reseller can provide you with assistance.

Before contacting support

To make the support process most efficient, before calling your networking dealer or HP Support, you first should collect the following information:

Collect this information	Where to find it
Product identification.	On the rear of the product.
Software version.	The service controller management tool **Login** page.
Network topology map, including the addresses assigned to all relevant devices.	Your network administrator.

Appendix: An Introduction to LCD Technology

Principles of LCD Technology

The functionality of LCD (Liquid Crystal Display) screens is based on the special physical properties of liquid crystals. Their rod shaped molecules arrange themselves similarly to the molecules of crystals - always uniformly and in one particular direction. Yet liquid crystals are not set in this orientation, but behave like a liquid: They can be manipulated by applying an electric voltage. The layers of the liquid crystal molecules can therefore be longitudinal or diagonal to the polarising direction of the light and thereby have a varying effect on the course of light waves.

LIQUID CRYSTALS POLARISE INCIDENT LIGHT

An LC display consists of two polarising filters, a control layer, the respective colour filters and the liquid crystal layer.

The light from a background lamp hits an initial polarisation membrane so that only a specific plane of polarisation of the light reaches the liquid crystal layer. Without any external electrical influence the liquid crystal molecules arrange themselves in a screw-like shape between the two vertically aligned polarising filters and the directional structure imposed as a result. The light follows this orientation and is rotated by 90 degrees. The second polarising filter only allows through light with this rotated polarisation. The light valve is open - as a result the controlled pixel lights up.

If an electrical voltage is applied, the liquid crystal molecules orientate themselves along the field lines. The 90' screw is lifted up, the LC molecules appear parallel to the incident light and allow it to pass through without altering the polarising direction. The unrotated light hits the second, rotated polarising filter and is blocked. As a result the corresponding pixel remains dark. The intensity of the departing, visible light can be controlled by means of the voltage applied to the crystal layer and the polarised light rotated to a greater or lesser extent as a result.

The TFT panel

A. The standard TFT panel

With TFT displays, also called active matrix, the light transmitting capacity of each pixel is in each case controlled by a transistor. The pixels can therefore be operated individually and addressed very quickly, which in turn guarantees perfect display even of moving images. With high-resolution LCDs well over two million pixels (three colour dots for the primary colours red, green and blue per pixel) have to be controlled. The voltage is continuously on so that the image does not have to be rebuilt constantly. The great advantage of this is that LC displays do not flicker, even when they are controlled at low refresh frequencies (e.g. at 60 Hz). Because faulty transistors can occur during production, pixel errors resulting from this are unavoidable.

B. The super TFT panel

The super TFT panel works according to the same physical principle. A significantly increased viewing angle can be created through more precise production and through slightly brighter pixels. This, however, is partly at the expense of the gray level resolution.

C. Comparison of standard and super TFT display

Standard	*Super*
• good gray level resolution	• very good viewing angle
• F satisfactory viewing angle	• satisfactory gray level resolution

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Arm Exercises

Standing Biceps Curl (with Pulleys) — Elbow Flexion (in supination)

Muscles worked:
Biceps; Brachialis; Brachioradialis

Bench Position:
Folded

Accessory:
Hand Grips

Pulleys:
Squat Platform

Success Tips

- Keep your elbows from moving forward and backward.
- Keep your knees slightly bent.

START

- Remove the bench, stand on the platform facing away from the Power Rod® units, and grasp the handles from the pulleys with an underhand grip at shoulder width.

ACTION

- Keeping palms upward, slowly curl the handles upward toward your shoulders while keeping your elbows at your sides and your upper arms motionless.
- Slowly lower the handles to the starting position.

Tricep Kickback

Muscles worked:
Triceps

Bench Position:
Flat Back Bench

Accessory:
Hand Grips

Pulleys:
Chest Bar

Success Tips

- Maintain good spinal alignment.
- Keep your arm at your side and your wrist straight throughout entire motion.
- Tighten the triceps throughout the exercise and control the returning motion.

START

- Straddle the bench facing the Power Rod® units, bend forward at your hips until your torso is parallel to the bench, slightly arching your back.
- Support yourself with one arm on the bench and grasp a handle with your free hand, palm facing inward.
- Draw your elbow back so that the upper arm is by your side, parallel to the bench, and your elbow bent about 90°.

ACTION

- Completely straighten your elbow while keeping your upper arm completely still.
- Slowly return to the starting position.
- Repeat with the other arm on the other side of the machine.

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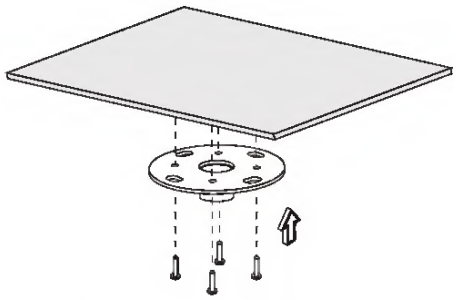
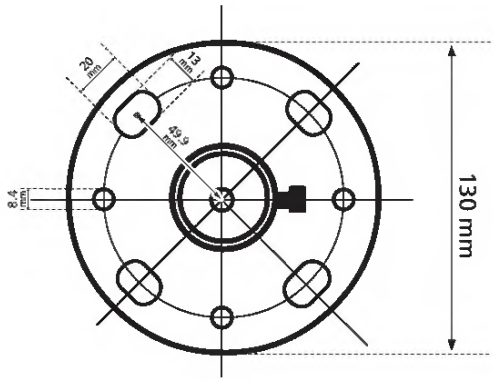
Ceiling Mount Installation

If you wish to install the projector using a ceiling mount, please refer to the steps below:

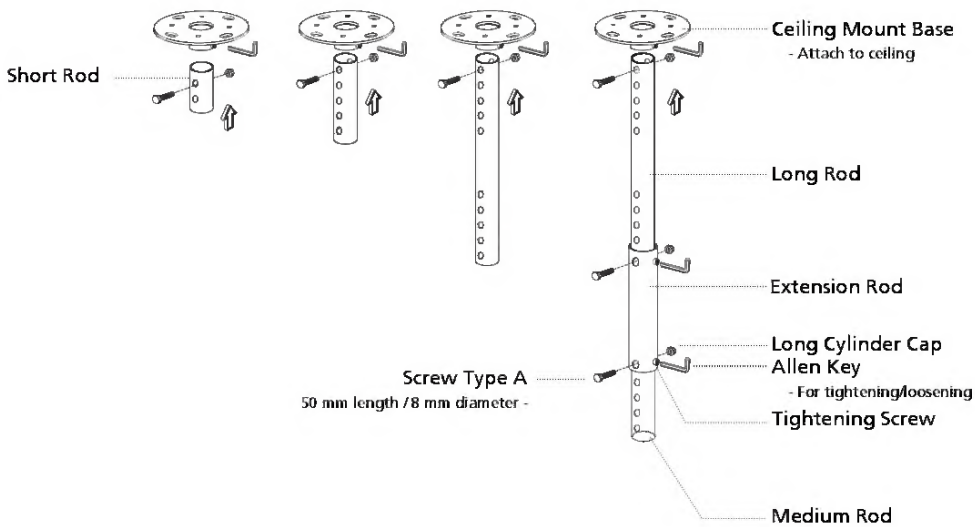
1 Drill four holes into a solid, structurally sound part of the ceiling, and secure the mount base.





Note: Screws are not included. Please obtain the appropriate screws for your type of ceiling.

2 Secure the ceiling rod using the appropriate type of four-cylinder screws.



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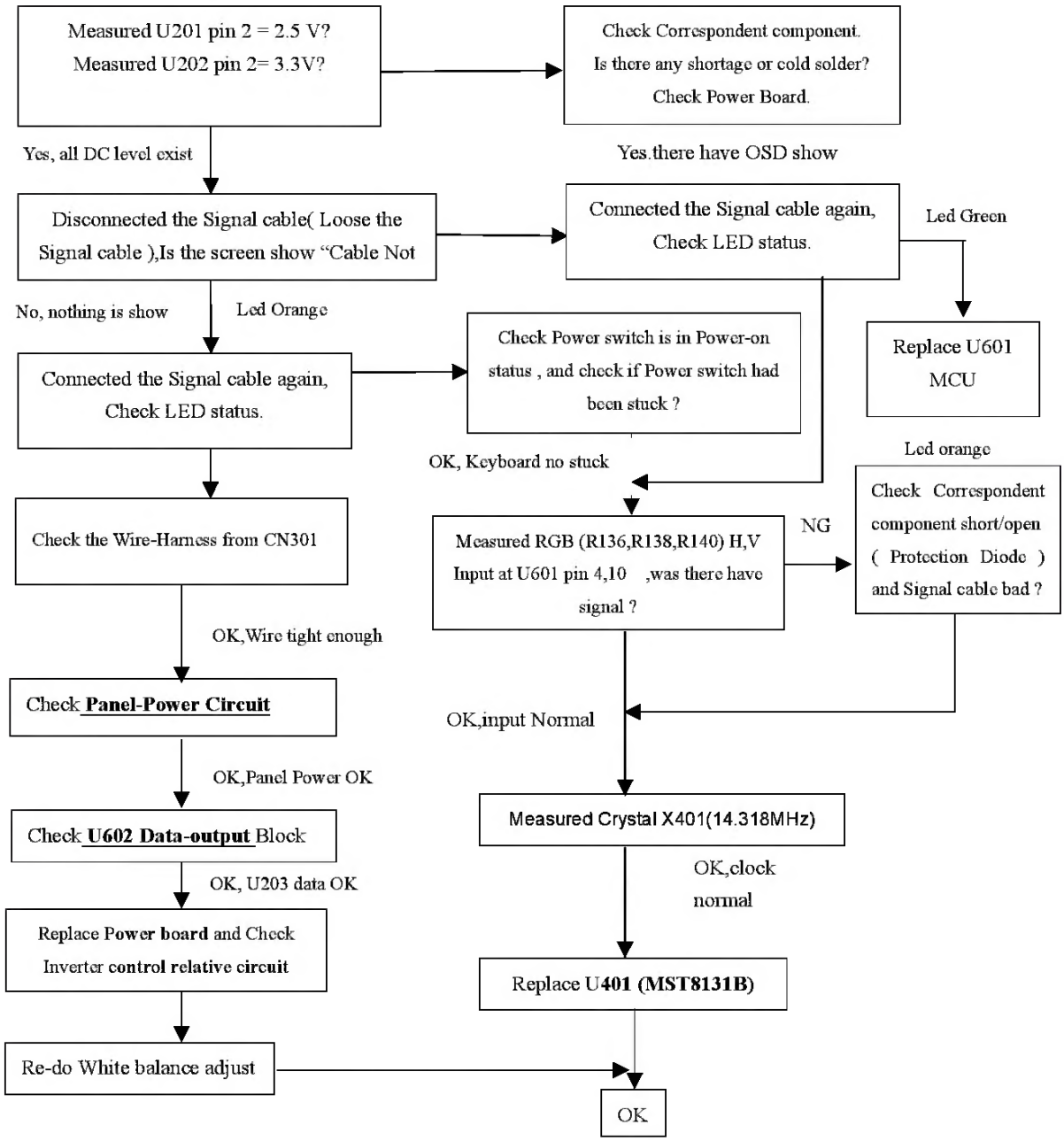
Troubleshooting

This chapter provides troubleshooting information for the AL1921:

Main Board

1. No Screen Appear


Measured U201 pin 2 = 2.5 V?
Measured U202 pin 2= 3.3V?
Check Correspondent component.
Is there any shortage or cold solder?
Check Power Board.
Yes, all DC level exist
Yes.there have OSD show
Disconnected the Signal cable(Loose the Signal cable),Is the screen show "Cable Not
Connected the Signal cable again, Check LED status.
Led Green
No, nothing is show
Led Orange
Connected the Signal cable again, Check LED status.
Check Power switch is in Power-on status , and check if Power switch had been stuck ?
Replace U601 MCU
OK, Keyboard no stuck
Led orange
Check the Wire-Harness from CN301
Measured RGB (R136,R138,R140) H,V Input at U601 pin 4,10 ,was there have signal ?
NG
Check Correspondent component short/open (Protection Diode) and Signal cable bad ?
OK,Wire tight enough
Check Panel-Power Circuit
OK,input Normal
OK,Panel Power OK
Measured Crystal X401(14.318MHz)
Check U602 Data-output Block
OK,clock normal
OK, U203 data OK
Replace Power board and Check Inverter control relative circuit
Replace U401 (MST8131B)
Re-do White balance adjust
OK

Note:1.If Replace "**MAIN-BOARD**" ,Pleasere-do "**DDC-content**" programmed & "WHITE-Balance".
2. If Replace "Power Board" only, Please re-do " WHITE-Balance".

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